

Publications 2013 - 2023

→ **For publications resulting from research using NBB tissue, click [here](#) to go to the full publication list (page 8)**

Publications of research projects with the NBB as co-author

The following list contains publications that arose from research projects in which the NBB's contribution was more substantial than the supply of tissue, but also e.g. intellectual input into study design or specific analyses of tissue or donor data. In these cases the NBB requests corporate co-authorship.

Berdenis van Berlekom, A., Notman, N., Sneeboer, M. A., Snijders, G. J., Houtepen, L. C., Nispeling, D. M., He, Y., Dracheva, S., Hol, E. M., Kahn, R. S., de Witte, L. D., Boks, M. P., & **Psychiatric Donor Program of the Netherlands Brain Bank, (NBB-PSY)**. (2021). DNA methylation differences in cortical grey and white matter in schizophrenia. *Epigenomics*, *13*(15), 1157–1169. <https://doi.org/10.2217/epi-2021-0077>

Bergen, A. A., Kaing, S., ten Brink, J. B., **Netherlands Brain Bank**, Gorgels, T. G., & Janssen, S. F. (2015). Gene expression and functional annotation of human choroid plexus epithelium failure in Alzheimer's disease. *BMC Genomics*, *16*(1), 1–15. <https://doi.org/10.1186/s12864-015-2159-z>

Böttcher, C., Schlickeiser, S., Sneeboer, M. A. M., Kunkel, D., Knop, A., Paza, E., Fidzinski, P., Kraus, L., Snijders, G. J. L., Kahn, R. S., Schulz, A. R., Mei, H. E., **Netherlands Brain Bank for Psychiatry**, Hol, E. M., Siegmund, B., Glauken, R., Spruth, E. J., de Witte, L. D., & Priller, J. (2019). Human microglia regional heterogeneity and phenotypes determined by multiplexed single-cell mass cytometry. *Nature Neuroscience*, *22*(1), 78–90. <https://doi.org/10.1038/s41593-018-0290-2>

Byman, E., Martinsson, I., Haukedal, H., **The Netherlands Brain Bank**, Gouras, G., Freude, K. K., & Wennström, M. (2021). Neuronal α -amylase is important for neuronal activity and glycogenolysis and reduces in presence of amyloid beta pathology. *Aging Cell*, *20*(8), e13433. <https://doi.org/10.1111/acel.13433>

Byman, E., Nägga, K., Gustavsson, A.-M., **The Netherlands Brain Bank**, Andersson-Assarsson, J., Hansson, O., Sonestedt, E., & Wennström, M. (2020). Alpha-amylase 1A copy number variants and the association with memory performance and Alzheimer's dementia. *Alzheimer's Research & Therapy*, *12*. <https://doi.org/10.1186/s13195-020-00726-y>

Byman, E., Schultz, N., **Netherlands Brain Bank**, Blom, A. M., & Wennström, M. (2019). A Potential Role for α -Amylase in Amyloid- β -Induced Astrocytic Glycogenolysis and Activation. *Journal of Alzheimer's Disease*, *68*(1), 205–217. <https://doi.org/10.3233/JAD-180997>

Byman, E., Schultz, N., **Netherlands Brain Bank**, Fex, M., & Wennström, M. (2018). Brain alpha-amylase: A novel energy regulator important in Alzheimer disease?: Alpha-amylase, novel energy regulator in brain? *Brain Pathology*. <https://doi.org/10.1111/bpa.12597>

- Dekker, A. D., Vermeiren, Y., Carmona-Iragui, M., Benejam, B., Videla, L., Gelpi, E., Aerts, T., Van Dam, D., Fernández, S., Lleó, A., Videla, S., Sieben, A., Martin, J.-J., **Netherlands Brain Bank**, Blesa, R., Fortea, J., & De Deyn, P. P. (2018). Monoaminergic impairment in Down syndrome with Alzheimer's disease compared to early-onset Alzheimer's disease. *Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring*, *10*, 99–111. <https://doi.org/10.1016/j.dadm.2017.11.001>
- Dijkstra, A. A., Voorn, P., Berendse, H. W., Groenewegen, H. J., **Netherlands Brain Bank**, Rozemuller, A. J. M., & van de Berg, W. D. J. (2014). Stage-dependent nigral neuronal loss in incidental Lewy body and Parkinson's disease. *Movement Disorders*, *29*(10), 1244–1251.
- Fiondella, L., Gami-Patel, P., Blok, C. A., Rozemuller, A. J. M., Hoozemans, J. J. M., **The Netherlands Brain Bank**, Pijnenburg, Y. A. L., Scarioni, M., & Dijkstra, A. A. (2023). Movement disorders are linked to TDP-43 burden in the substantia nigra of FTLD-TDP brain donors. *Acta Neuropathologica Communications*, *11*, 63. <https://doi.org/10.1186/s40478-023-01560-7>
- Gami-Patel, P., Dijken, I. van, Swieten, J. C. van, Pijnenburg, Y. a. L., **Netherlands Brain Bank**, Rozemuller, A. J. M., Hoozemans, J. J. M., & Dijkstra, A. A. (2019). Von Economo neurons are part of a larger neuronal population that are selectively vulnerable in C9orf72 frontotemporal dementia. *Neuropathology and Applied Neurobiology*, *0*(0). <https://doi.org/10.1111/nan.12558>
- Gami-Patel, P., Scarioni, M., Bouwman, F. H., Boon, B. D. C., van Swieten, J. C., **Netherlands Brain Bank**, Rozemuller, A. J. M., Smit, A. B., Pijnenburg, Y. A. L., Hoozemans, J. J. M., & Dijkstra, A. A. (2022). The severity of behavioural symptoms in FTD is linked to the loss of GABRQ-expressing VEs and pyramidal neurons. *Neuropathology and Applied Neurobiology*, *e12798*. <https://doi.org/10.1111/nan.12798>
- Ganz, A. B., Beker, N., Hulsman, M., Sikkes, S., **Netherlands Brain Bank**, Scheltens, P., Smit, A. B., Rozemuller, A. J. M., Hoozemans, J. J. M., & Holstege, H. (2018). Neuropathology and cognitive performance in self-reported cognitively healthy centenarians. *Acta Neuropathologica Communications*, *6*(64). <https://doi.org/10.1186/s40478-018-0558-5>
- Ganz, A. B., Zhang, M., Koopmans, F., Li, K. W., Miedema, S. S. M., **Netherlands Brain Bank**, Scheltens, P., Hoozemans, J. J., Reinders, M. J., Smit, A. B., & Holstege, H. (2021). Neuroproteomics of cognitively healthy centenarians in the context of aging and Alzheimer's disease. *Alzheimer's & Dementia*, *17*(S3), e053681. <https://doi.org/10.1002/alz.053681>
- Ganz, A. B., Zhang, M., Koopmans, F., Li, K. W., Miedema, S. S. M., Rozemuller, A. J. M., Hulsman, M., **Netherlands Brain Bank**, Scheltens, P., Hoozemans, J. J. M., Reinders, M. J. T., Smit, A. B., & Holstege, H. (2023). *Proteomic profiling of aging brains identifies key proteins by which cognitively healthy centenarians defy their age by decades* (p. 2023.11.30.23299224). medRxiv. <https://doi.org/10.1101/2023.11.30.23299224>
- Giannini, L. A., Mol, M. O., Rajcic, A., van Buuren, R., Sarkar, L., Arezoumandan, S., Ohm, D. T., Irwin, D. J., Rozemuller, A. J., van Swieten, J. C., Seelaar, H., & **Netherlands Brain Bank**. (2023). Presymptomatic and early pathological features of MAPT-associated frontotemporal lobar degeneration. *Acta Neuropathologica Communications*, *11*(1), 126. <https://doi.org/10.1186/s40478-023-01588-9>
- Giannini, L. A. A., Ohm, D. T., Rozemuller, A. J. M., Dratch, L., Suh, E., van Deerlin, V. M., Trojanowski, J. Q., Lee, E. B., van Swieten, J. C., Grossman, M., Seelaar, H., Irwin, D. J., & **Netherlands Brain Bank**. (2022). Isoform-specific patterns of tau burden and neuronal degeneration in MAPT-

- associated frontotemporal lobar degeneration. *Acta Neuropathologica*, 144(6), 1065–1084. <https://doi.org/10.1007/s00401-022-02487-4>
- Giannini, L. A., Ohm, D. T., Rozemuller, A. J. M., Suh, E. R., Van Deerlin, V. M., Trojanowski, J. Q., Lee, E. B., **Netherlands Brain Bank**, van Swieten, J. C., Grossman, M., Seelaar, H., & Irwin, D. J. (2021). Mapping tau burden and neuronal loss in MAPT-associated frontotemporal lobar degeneration. *Alzheimer's & Dementia*, 17(S3), e054141. <https://doi.org/10.1002/alz.054141>
- Grochowska, M. M., Carreras Mascaró, A., Boumeester, V., Natale, D., Breedveld, G. J., Geut, H., van Cappellen, W. A., Boon, A. J. W., Kievit, A. J. A., Sammler, E., Parchi, P., Cortelli, P., Alessi, D. R., van de Berg, W. D. J., Bonifati, V., Mandemakers, W., & **Netherlands Brain Bank**. (2021). LRP10 interacts with SORL1 in the intracellular vesicle trafficking pathway in non-neuronal brain cells and localises to Lewy bodies in Parkinson's disease and dementia with Lewy bodies. *Acta Neuropathologica*, 142(1), 117–137. <https://doi.org/10.1007/s00401-021-02313-3>
- Hart de Ruyter, F. J., Morrema, T. H. J., den Haan, J., **Netherlands Brain Bank**, Twisk, J. W. R., de Boer, J. F., Scheltens, P., Boon, B. D. C., Thal, D. R., Rozemuller, A. J., Verbraak, F. D., Bouwman, F. H., & Hoozemans, J. J. M. (2023). Phosphorylated tau in the retina correlates with tau pathology in the brain in Alzheimer's disease and primary tauopathies. *Acta Neuropathologica*, 145(2), 197–218. <https://doi.org/10.1007/s00401-022-02525-1>
- Hepp, D. H., Vergoossen, D. L. E., Huisman, E., Lemstra, A. W., **Netherlands Brain Bank**, Berendse, H. W., Rozemuller, A. J., Foncke, E. M. J., & van de Berg, W. D. J. (2016). Distribution and Load of Amyloid- β Pathology in Parkinson Disease and Dementia with Lewy Bodies. *Journal of Neuropathology & Experimental Neurology*, 75(10), 936–945. <https://doi.org/10.1093/jnen/nlw070>
- Krudop, W. A., Bosman, S., Geurts, J. J., Sikkes, S. A., Verwey, N. A., Stek, M. L., Scheltens, P., Rozemuller, A. J., Pijnenburg, Y. A., & **Netherlands Brain Bank**. (2015). Clinico-pathological correlations of the frontal lobe syndrome: Results of a large brain bank study. *Dementia and geriatric cognitive disorders*, 40(3–4), 121–129.
- Laarman, M. D., Vermunt, M. W., Kleinloog, R., de Boer-Bergsma, J. J., **Netherlands Brain Bank**, Rinkel, G. J. E., Creyghton, M. P., Mokry, M., Bakkers, J., & Ruigrok, Y. M. (2018). Intracranial Aneurysm-Associated Single-Nucleotide Polymorphisms Alter Regulatory DNA in the Human Circle of Willis. *Stroke*, 49(2), 447–453. <https://doi.org/10.1161/strokeaha.117.018557>
- Laarman Melanie D., Geeven Geert, Barnett Phil, **Netherlands Brain Bank**, Rinkel Gabriël J. E., de Laat Wouter, Ruigrok Ynte M., & Bakkers Jeroen. (2019). Chromatin Conformation Links Putative Enhancers in Intracranial Aneurysm-Associated Regions to Potential Candidate Genes. *Journal of the American Heart Association*, 8(9), e011201. <https://doi.org/10.1161/JAHA.118.011201>
- Mol, M. O., van der Lee, S. J., Hulsman, M., Pijnenburg, Y. A. L., Scheltens, P., Seelaar, H., van Swieten, J. C., Kaat, L. D., Holstege, H., van Rooij, J. G. J., & **Netherlands Brain Bank**. (2022). Mapping the genetic landscape of early-onset Alzheimer's disease in a cohort of 36 families. *Alzheimer's Research & Therapy*, 14(1), 77. <https://doi.org/10.1186/s13195-022-01018-3>
- Nielsen, H. M., Ek, D., Avdic, U., Orbjörn, C., Hansson, O., **Netherlands Brain Bank**, Veerhuis, R., Rozemuller, A. J. M., Brun, A., Minthon, L., & Wennström, M. (2013). NG2 cells, a new trail for Alzheimer's disease mechanisms? *Acta Neuropathologica Communications*, 1, 7. <https://doi.org/10.1186/2051-5960-1-7>

- Niklasson, B., Lindquist, L., Klitz, W., **Netherlands Brain Bank**, & Englund, E. (2020). Picornavirus Identified in Alzheimer's Disease Brains: A Pathogenic Path? *Journal of Alzheimer's Disease Reports*, 4(1), 141–146. <https://doi.org/10.3233/ADR-200174>
- Niklasson, B., Lindquist, L., Klitz, W., Fredrikson, S., Morgell, R., Mohammadi, R., **Netherlands Brain Bank**, Karapetyan, Y., & Englund, E. (2022). Picornavirus May Be Linked to Parkinson's Disease through Viral Antigen in Dopamine-Containing Neurons of Substantia Nigra. *Microorganisms*, 10(3), Art. 3. <https://doi.org/10.3390/microorganisms10030599>
- Nuñez-Díaz, C., Pocevičiūtė, D., Schultz, N., **The Netherlands Brain Bank**, Welinder, C., Swärd, K., & Wennström, M. (2023). Contraction of human brain vascular pericytes in response to islet amyloid polypeptide is reversed by pramlintide. *Molecular Brain*, 16, 25. <https://doi.org/10.1186/s13041-023-01013-1>
- Pihlstrøm, L., Shireby, G., Geut, H., Henriksen, S. P., Rozemüller, A. J. M., Tunold, J.-A., Hannon, E., Francis, P., Thomas, A. J., Love, S., **Netherlands Brain Bank**, Mill, J., van de Berg, W. D. J., & Toft, M. (2021). Epigenome-wide association study of human frontal cortex identifies differential methylation in Lewy body pathology. *medRxiv*, 2021.10.07.21264552. <https://doi.org/10.1101/2021.10.07.21264552>
- Pocevičiūtė, D., Nuñez-Díaz, C., Roth, B., Janelidze, S., Giannisis, A., Hansson, O., Wennström, M., & **The Netherlands Brain Bank**. (2022). Increased plasma and brain immunoglobulin A in Alzheimer's disease is lost in apolipoprotein E ε4 carriers. *Alzheimer's Research & Therapy*, 14(1), 117. <https://doi.org/10.1186/s13195-022-01062-z>
- Pocevičiūtė, D., Roth, B., Schultz, N., Nuñez-Díaz, C., Janelidze, S., **The Netherlands Brain Bank**, Olofsson, A., Hansson, O., & Wennström, M. (2023). Plasma IAPP-Autoantibody Levels in Alzheimer's Disease Patients Are Affected by APOE4 Status. *International Journal of Molecular Sciences*, 24(4), 3776. <https://doi.org/10.3390/ijms24043776>
- Rohde, S. K., Fierro-Hernández, P., Rozemuller, A. J. M., **Netherlands Brain Bank**, Lorenz, L. M. C., Sikkes, S. A. M., Hoozemans, J., & Holstege, H. (2023). Amyloid-beta (Aβ) load in the post-mortem brain correlates with APOE genotype and ante-mortem cognitive performance in centenarians. *Alzheimer's & Dementia*, 19(S12), e076489. <https://doi.org/10.1002/alz.076489>
- Rohde, S. K., Fierro-Hernández, P., Rozemuller, A. J. M., **Netherlands Brain Bank**, Lorenz, L. M. C., Zhang, M., Graat, M., Hoorn, M. van der, Daatselaar, D., Hulsman, M., Scheltens, P., Sikkes, S. A. M., Hoozemans, J. J. M., & Holstege, H. (2023). *Resistance to cortical amyloid-beta associates with cognitive health in centenarians* (p. 2023.12.28.23300604). medRxiv. <https://doi.org/10.1101/2023.12.28.23300604>
- Scarioni, M., Gami-Patel, P., Peeters, C. F. W., de Koning, F., Seelaar, H., Mol, M. O., van Swieten, J. C., **Netherlands Brain Bank**, Rozemuller, A. J. M., Hoozemans, J. J. M., Pijnenburg, Y. A. L., & Dijkstra, A. A. (2022). Psychiatric symptoms of frontotemporal dementia and subcortical (co-)pathology burden: New insights. *Brain*, awac043. <https://doi.org/10.1093/brain/awac043>
- Scarioni, M., Gami-Patel, P., Peeters, C. F. W., de Koning, F., Seelaar, H., van Swieten, J. C., **Netherlands Brain Bank**, Rozemuller, A. J. M., Hoozemans, J. J., Pijnenburg, Y. A. L., & Dijkstra, A. A. (2021). Neuroanatomy of FTD: Whole-brain correlations between symptoms and pathologies. *Alzheimer's & Dementia*, 17(S3), e056016. <https://doi.org/10.1002/alz.056016>

- Scarioni, M., Gami-Patel, P., Timar, Y., Seelaar, H., Swieten, J. C. van, Rozemuller, A. J. M., Dols, A., Scarpini, E., Galimberti, D., **Netherlands Brain Bank**, Hoozemans, J. J. M., Pijnenburg, Y. A. L., & Dijkstra, A. A. (2020). Frontotemporal Dementia: Correlations Between Psychiatric Symptoms and Pathology. *Annals of Neurology*, *87*(6), 950–961. <https://doi.org/10.1002/ana.25739>
- Scholtens, L. H., Pijnenburg, R., de Lange, S. C., Huitinga, I., van den Heuvel, M. P., & **Netherlands Brain Bank (NBB)**. (2021). Common micro- and macroscale principles of connectivity in the human brain. *bioRxiv*, 2021.09.14.459604. <https://doi.org/10.1101/2021.09.14.459604>
- Scholtens, L. H., Pijnenburg, R., Lange, S. C. de, Huitinga, I., Heuvel, M. P. van den, & **Netherlands Brain Bank** (2022). Common Microscale and Macroscale Principles of Connectivity in the Human Brain. *Journal of Neuroscience*, *42*(20), 4147–4163. <https://doi.org/10.1523/JNEUROSCI.1572-21.2022>
- Schultz, N., Brännström, K., Byman, E., Moussaud, S., Nielsen, H. M., **The Netherlands Brain Bank**, Olofsson, A., & Wennström, M. (2018). Amyloid-beta 1-40 is associated with alterations in NG2+ pericyte population ex vivo and in vitro. *Ageing Cell*, *17*(3), e12728. <https://doi.org/10.1111/acel.12728>
- Schultz, N., Byman, E., **Netherlands Brain Bank**, & Wennström, M. (2018). Levels of retinal IAPP are altered in Alzheimer’s disease patients and correlate with vascular changes and hippocampal IAPP levels. *Neurobiology of Aging*, *69*, 94–101. <https://doi.org/10.1016/j.neurobiolaging.2018.05.003>
- Schultz, N., Byman, E., **Netherlands Brain Bank**, & Wennström, M. (2019). Levels of Retinal Amyloid- β Correlate with Levels of Retinal IAPP and Hippocampal Amyloid- β in Neuropathologically Evaluated Individuals. *Journal of Alzheimer’s Disease: JAD*. <https://doi.org/10.3233/JAD-190868>
- Schultz, N., Byman, E., **Netherlands Brain Bank**, & Wennström, M. (2020). Levels of Retinal Amyloid- β Correlate with Levels of Retinal IAPP and Hippocampal Amyloid- β in Neuropathologically Evaluated Individuals. *Journal of Alzheimer’s Disease: JAD*, *73*(3), 1201–1209. <https://doi.org/10.3233/JAD-190868>
- Sneeboer, M. A. M., Snijders, G. J. L. J., Berdowski, W. M., Fernández-Andreu, A., Psychiatric Donor Program of the **Netherlands Brain Bank (NBB-Psy)**, Mierlo, H. C. van, Berlekom, A. B. van, Litjens, M., Kahn, R. S., Hol, E. M., & Witte, L. D. de. (2019). Microglia in post-mortem brain tissue of patients with bipolar disorder are not immune activated. *Translational Psychiatry*, *9*. <https://doi.org/10.1038/s41398-019-0490-x>
- Sneeboer, M. A. M., van der Doef, T., Litjens, M., **Netherlands Brain Bank for Psychiatry**, Melief, J., Hol, E. M., Kahn, R. S., & de Witte, L. D. (2020). Microglial activation in schizophrenia: Is translocator 18 kDa protein (TSPO) the right marker? *Schizophrenia Research*, *215*, 167–172. <https://doi.org/10.1016/j.schres.2019.10.045>
- Snijders, G. J. L. J., Sneebouer, M. A. M., Fernández-Andreu, A., Udine, E., Boks, M. P., Ormel, P. R., van Berlekom, A. B., van Mierlo, H. C., Böttcher, C., Priller, J., Raj, T., Hol, E. M., Kahn, R. S., de Witte, L. D., & **Psychiatric Donor Program of the Netherlands Brain Bank, (NBB-PSY)**. (2021). Distinct non-inflammatory signature of microglia in post-mortem brain tissue of patients with major depressive disorder. *Molecular Psychiatry*, *26*(7), 3336–3349. <https://doi.org/10.1038/s41380-020-00896-z>
- Snijders, G. J. L. J., Sneebouer, M. A. M., Fernández-Andreu, A., Udine, E., **Psychiatric donor program of the Netherlands Brain Bank (NBB-Psy)**, Boks, M. P., Ormel, P. R., van Berlekom, A. B., van Mierlo, H. C., Böttcher, C., Priller, J., Raj, T., Hol, E. M., Kahn, R. S., & de Witte, L. D. (2020). Distinct

non-inflammatory signature of microglia in post-mortem brain tissue of patients with major depressive disorder. *Molecular Psychiatry*. <https://doi.org/10.1038/s41380-020-00896-z>

- Tiepolo, S., Schäfer, A., Rullmann, M., Roggenhofer, E., **Netherlands Brain Bank**, Gertz, H.-J., Schroeter, M. L., Patt, M., Bazin, P.-L., Jochimsen, T. H., Turner, R., Sabri, O., & Barthel, H. (2018). Quantitative Susceptibility Mapping of Amyloid- β Aggregates in Alzheimer's Disease with 7T MR. *Journal of Alzheimer's Disease*, *64*(2), 393–404. <https://doi.org/10.3233/JAD-180118>
- Ulugut, H., Dijkstra, A. A., Scarioni, M., Barkhof, F., Scheltens, P., Rozemuller, A. J. M., Pijnenburg, Y. A. L., & **Netherlands Brain Bank**. (2021). Right temporal variant frontotemporal dementia is pathologically heterogeneous: A case-series and a systematic review. *Acta Neuropathologica Communications*, *9*(1), 131. <https://doi.org/10.1186/s40478-021-01229-z>
- van der Lee, S. J., Conway, O. J., Jansen, I., Carrasquillo, M. M., Kleineidam, L., van den Akker, E., Hernández, I., van Eijk, K. R., Stringa, N., Chen, J. A., Zettergren, A., Andlauer, T. F. M., Diez-Fairen, M., Simon-Sanchez, J., Lleó, A., Zetterberg, H., Nygaard, M., Blauwendraat, C., Savage, J. E., ... The GIFT (Genetic Investigation in Frontotemporal Dementia and Alzheimer's Disease) Study Group. (2019). A nonsynonymous mutation in *PLCG2* reduces the risk of Alzheimer's disease, dementia with Lewy bodies and frontotemporal dementia, and increases the likelihood of longevity. *Acta Neuropathologica*, *138*(2), 237–250. <https://doi.org/10.1007/s00401-019-02026-8>
- van der Lee, S. J., Conway, O. J., Jansen, I., Carrasquillo, M. M., Kleineidam, L., van den Akker, E., Hernández, I., van Eijk, K. R., Stringa, N., Chen, J. A., Zettergren, A., Andlauer, T. F. M., Diez-Fairen, M., Simon-Sanchez, J., Lleó, A., Zetterberg, H., Nygaard, M., Blauwendraat, C., Savage, J. E., ... The GIFT (Genetic Investigation in Frontotemporal Dementia and Alzheimer's Disease) Study Group. (2020). Correction to: A nonsynonymous mutation in *PLCG2* reduces the risk of Alzheimer's disease, dementia with Lewy bodies and frontotemporal dementia, and increases the likelihood of longevity. *Acta Neuropathologica*, *139*(5), 959–962. <https://doi.org/10.1007/s00401-019-02107-8>
- van Engelen, M.-P. E., Rozemuller, A. J. M., Ulugut Erkoyun, H., Groot, C., Fieldhouse, J. L. P., Koene, T., Ossenkoppele, R., Gossink, F. T., Krudop, W. A., Vijverberg, E. G. B., Dols, A., Barkhof, F., Berckel, B. N. M. V., Scheltens, P., **Netherlands Brain Bank**, & Pijnenburg, Y. A. L. (2021). The bvFTD phenocopy syndrome: A case study supported by repeated MRI, [18F]FDG-PET and pathological assessment. *Neurocase*, *27*(2), 181–189. <https://doi.org/10.1080/13554794.2021.1905855>
- van Rooij, J. G. J., Meeter, L. H. H., Melhem, S., Nijholt, D. A. T., Wong, T. H., **Netherlands Brain Bank**, Rozemuller, A., Uitterlinden, A. G., van Meurs, J. G., & van Swieten, J. C. (2019). Hippocampal transcriptome profiling combined with protein-protein interaction analysis elucidates Alzheimer's disease pathways and genes. *Neurobiology of Aging*, *74*, 225–233. <https://doi.org/10.1016/j.neurobiolaging.2018.10.023>
- van Rooij, J., Mol, M. O., Melhem, S., van der Wal, P., Arp, P., Paron, F., Donker Kaat, L., Seelaar, H., **Netherlands Brain Bank**, Miedema, S. S. M., Oshima, T., Eggen, B. J. L., Uitterlinden, A., van Meurs, J., van Kesteren, R. E., Smit, A. B., Buratti, E., & van Swieten, J. C. (2020). Somatic TARDBP variants as a cause of semantic dementia. *Brain*, *143*(12), 3827–3841. <https://doi.org/10.1093/brain/awaa317>
- Vergouw, L. J., Geut, H., Breedveld, G., Kuipers, D. J., Quadri, M., **Netherlands Brain Bank**, Rozemuller, A. J., van Swieten, J. C., de Jong, F. J., & van de Berg, W. D. (2020). Clinical and

- Pathological Phenotypes of LRP10 Variant Carriers with Dementia. *Journal of Alzheimer's Disease, Preprint*, 1–10.
- Vergouw, L. J. M., Marler, L. P., Van, W. de B., Rozemuller, A. J. M., De, F. J., & **Netherlands Brain Bank**. (2019). Dementia With Lewy Bodies: A Clinicopathologic Series of False-positive Cases. *Alzheimer Disease and Associated Disorders*. <https://doi.org/10.1097/WAD.0000000000000308>
- Vergouw, L. J., Marler, L. P., Van De Berg, W. D., Rozemuller, A. J., De Jong, F. J., & **Netherlands Brain Bank**. (2020). Dementia with lewy bodies: A clinicopathologic series of false-positive cases. *Alzheimer Disease & Associated Disorders*, *34*(2), 178–182.
- Vermunt, M. W., Reinink, P., Korving, J., de Bruijn, E., Creyghton, P. M., Basak, O., Geeven, G., Toonen, P. W., Lansu, N., Meunier, C., van Heesch, S., **Netherlands Brain Bank**, Clevers, H., de Laat, W., Cuppen, E., & Creyghton, M. P. (2014). Large-Scale Identification of Coregulated Enhancer Networks in the Adult Human Brain. *Cell Reports*, *9*(2), 767–779. <https://doi.org/10.1016/j.celrep.2014.09.023>
- Vermunt, M. W., Tan, S. C., Castelijn, B., Geeven, G., Reinink, P., de Bruijn, E., Kondova, I., Persengiev, S., **Netherlands Brain Bank**, Bontrop, R., Cuppen, E., de Laat, W., & Creyghton, M. P. (2016). Epigenomic annotation of gene regulatory alterations during evolution of the primate brain. *Nature neuroscience*.
- Wennström, M., Janelidze, S., Nilsson, K. P. R., Serrano, G. E., Beach, T. G., Dage, J. L., Hansson, O., & **The Netherlands Brain Bank**. (2022). Cellular localization of p-tau217 in brain and its association with p-tau217 plasma levels. *Acta Neuropathologica Communications*, *10*(1), 3. <https://doi.org/10.1186/s40478-021-01307-2>
- Wong, T. H., Chiu, W. Z., Breedveld, G. J., Li, K. W., Verkerk, A. J. M. H., Hondius, D., Hukema, R. K., Seelaar, H., Frick, P., Severijnen, L.-A., Lammers, G.-J., Lebbink, J. H. G., van Duinen, S. G., Kamphorst, W., Rozemuller, A. J., **Netherlands Brain Bank**, Bakker, B. E., The International Parkinsonism Genetics Network, Neumann, M., ... van Swieten, J. (2014). PRKAR1B mutation associated with a new neurodegenerative disorder with unique pathology. *Brain*, *137*(5), 1361–1373. <https://doi.org/10.1093/brain/awu067>
- Wong, T. H., Pottier, C., Hondius, D. C., Meeter, L. H. H., van Rooij, J. G. J., Melhem, S., **Netherlands Brain Bank**, van Minkelen, R., van Duijn, C. M., Rozemuller, A. J. M., Seelaar, H., Rademakers, R., & van Swieten, J. C. (2018). Three VCP Mutations in Patients with Frontotemporal Dementia. *Journal of Alzheimer's Disease*, *65*(4), 1139–1146. <https://doi.org/10.3233/JAD-180301>
- Zhang, M., Ganz, A. B., Hulsman, M., **Netherlands Brain Bank**, Rozemuller, A. J. M., Scheltens, P., Hoozemans, J. J., & Holstege, H. (2021). Neuropathological hallmarks of Alzheimer's disease in centenarians, in the context of aging. *Alzheimer's & Dementia*, *17*(S3), e053600. <https://doi.org/10.1002/alz.053600>
- Zhang, M., Ganz, A. B., Rohde, S., Rozemuller, A. J. M., **Netherlands Brain Bank**, Reinders, M. J. T., Scheltens, P., Hulsman, M., Hoozemans, J. J. M., & Holstege, H. (2022). Resilience and resistance to the accumulation of amyloid plaques and neurofibrillary tangles in centenarians: An age-continuous perspective. *Alzheimer's & Dementia*, *n/a*(n/a). <https://doi.org/10.1002/alz.12899>

Full publication list

The following list contains publications from 2013 to 2023 that were realized through the use of NBB tissue. The NBB is acknowledged in these articles, but is not included as a co-author.

- Aarum, J., Cabrera, C. P., Jones, T. A., Rajendran, S., Adiutori, R., Giovannoni, G., Barnes, M. R., Malaspina, A., & Sheer, D. (2019). Enzymatic degradation of RNA causes widespread protein aggregation in cell and tissue lysates. *bioRxiv*, 841577. <https://doi.org/10.1101/841577>
- Aarum, J., Cabrera, C. P., Jones, T. A., Rajendran, S., Adiutori, R., Giovannoni, G., Barnes, M. R., Malaspina, A., & Sheer, D. (2020). Enzymatic degradation of RNA causes widespread protein aggregation in cell and tissue lysates. *EMBO Reports*, 21(10). <https://doi.org/10.15252/embr.201949585>
- Aberg, K. A., Dean, B., Shabalin, A. A., Chan, R. F., Han, L. K. M., Zhao, M., van Grootheest, G., Xie, L. Y., Milaneschi, Y., Clark, S. L., Turecki, G., Penninx, B. W. J. H., & van den Oord, E. J. C. G. (2018). Methylome-wide association findings for major depressive disorder overlap in blood and brain and replicate in independent brain samples. *Molecular Psychiatry*. <https://doi.org/10.1038/s41380-018-0247-6>
- Aberg, K. A., Dean, B., Shabalin, A. A., Chan, R. F., Han, L. K. M., Zhao, M., van Grootheest, G., Xie, L. Y., Milaneschi, Y., Clark, S. L., Turecki, G., Penninx, B. W. J. H., & van den Oord, E. J. C. G. (2020). Methylome-wide association findings for major depressive disorder overlap in blood and brain and replicate in independent brain samples. *Molecular Psychiatry*, 25(6), Article 6. <https://doi.org/10.1038/s41380-018-0247-6>
- Absinta, M., Maric, D., Gharagozloo, M., Garton, T., Smith, M. D., Jin, J., Fitzgerald, K. C., Song, A., Liu, P., Lin, J.-P., Wu, T., Johnson, K. R., McGavern, D. B., Schafer, D. P., Calabresi, P. A., & Reich, D. S. (2021). A lymphocyte–microglia–astrocyte axis in chronic active multiple sclerosis. *Nature*, 597(7878), 709–714. <https://doi.org/10.1038/s41586-021-03892-7>
- Acquarelli, J., Brain Bank, T. N., Bianchini, M., & Marchiori, E. (2016). Discovering Potential Clinical Profiles of Multiple Sclerosis from Clinical and Pathological Free Text Data with Constrained Non-negative Matrix Factorization. *Applications of Evolutionary Computation*, 169–183. https://doi.org/10.1007/978-3-319-31204-0_12
- Adams, S. L., Benayoun, L., Tilton, K., Chavez, O. R., Himali, J. J., Blusztajn, J. K., Seshadri, S., & Delalle, I. (2017). Methionine sulfoxide reductase-B3 (MsrB3) protein associates with synaptic vesicles and its expression changes in the hippocampi of Alzheimer’s disease patients. *Journal of Alzheimer’s Disease : JAD*, 60(1), 43–56. <https://doi.org/10.3233/JAD-170459>
- Adams, S. L., Benayoun, L., Tilton, K., Mellott, T. J., Seshadri, S., Blusztajn, J. K., & Delalle, I. (2018). Immunohistochemical Analysis of Activin Receptor-Like Kinase 1 (ACVRL1/ALK1) Expression in the Rat and Human Hippocampus: Decline in CA3 During Progression of Alzheimer’s Disease. *Journal of Alzheimer’s Disease*, 63(4), 1433–1443. <https://doi.org/10.3233/JAD-171065>
- Adams, S. L., Tilton, K., Kozubek, J. A., Seshadri, S., & Delalle, I. (2016). Subcellular Changes in Bridging Integrator 1 Protein Expression in the Cerebral Cortex During the Progression of Alzheimer Disease Pathology. *Journal of Neuropathology & Experimental Neurology*, 75(8), 779–790. <https://doi.org/10.1093/jnen/nlw056>

- Adav, S. S., Park, J. E., & Sze, S. K. (2019). Quantitative profiling brain proteomes revealed mitochondrial dysfunction in Alzheimer's disease. *Molecular Brain*, *12*(1), 8. <https://doi.org/10.1186/s13041-019-0430-y>
- Adiutori, R., Puentes, F., Bremang, M., Lombardi, V., Zubiri, I., Leoni, E., Aarum, J., Sheer, D., McArthur, S., Pike, I., & Malaspina, A. (2021). Analysis of circulating protein aggregates as a route of investigation into neurodegenerative disorders. *Brain Communications*, *3*(3), fcab148. <https://doi.org/10.1093/braincomms/fcab148>
- Ádori, C., Glück, L., Barde, S., Yoshitake, T., Kovacs, G. G., Mulder, J., Maglóczy, Z., Havas, L., Bölcskei, K., & Mitsios, N. (2015). Critical role of somatostatin receptor 2 in the vulnerability of the central noradrenergic system: New aspects on Alzheimer's disease. *Acta Neuropathologica*, *129*(4), 541–563.
- Adorjan, I., Ahmed, B., Feher, V., Torso, M., Krug, K., Esiri, M., Chance, S. A., & Szele, F. G. (2017). Calretinin interneuron density in the caudate nucleus is lower in autism spectrum disorder. *Brain*, *140*(7), 2028–2040. <https://doi.org/10.1093/brain/awx131>
- Adorjan, I., Sun, B., Feher, V., Tyler, T., Veres, D., Chance, S. A., & Szele, F. G. (2020). Evidence for Decreased Density of Calretinin-Immunopositive Neurons in the Caudate Nucleus in Patients With Schizophrenia. *Frontiers in Neuroanatomy*, *14*. <https://doi.org/10.3389/fnana.2020.581685>
- Adorjan, I., Tyler, T., Bhaduri, A., Demharter, S., Finszter, C. K., Bako, M., Sebok, O. M., Nowakowski, T. J., Khodosevich, K., Møllgård, K., Kriegstein, A. R., Shi, L., Hoerder-Suabedissen, A., Ansorge, O., & Molnár, Z. (2019). Neuroserpin expression during human brain development and in adult brain revealed by immunohistochemistry and single cell RNA sequencing. *Journal of Anatomy*, *235*(3), 543–554. <https://doi.org/10.1111/joa.12931>
- Afroz, T., Chevalier, E., Audrain, M., Dumayne, C., Ziehm, T., Moser, R., Egesipe, A.-L., Mottier, L., Ratnam, M., Neumann, M., Havas, D., Ollier, R., Piorkowska, K., Chauhan, M., Silva, A. B., Thapa, S., Stöhr, J., Bavdek, A., Eligert, V., ... Seredenina, T. (2023). Immunotherapy targeting the C-terminal domain of TDP-43 decreases neuropathology and confers neuroprotection in mouse models of ALS/FTD. *Neurobiology of Disease*, *179*, 106050. <https://doi.org/10.1016/j.nbd.2023.106050>
- Aguila, J., Cheng, S., Kee, N., Cao, M., Deng, Q., & Hedlund, E. (2018). *Spatial transcriptomics and in silico random pooling identify novel dopamine neuron subtype markers*. <https://doi.org/10.1101/334417>
- Aguila, J., Cheng, S., Kee, N., Cao, M., Deng, Q., & Hedlund, E. (2019). Spatial transcriptomics identifies novel markers of vulnerable and resistant midbrain dopamine neurons. *bioRxiv*, 334417. <https://doi.org/10.1101/334417>
- Aguila, J., Cheng, S., Kee, N., Cao, M., Wang, M., Deng, Q., & Hedlund, E. (2021). Spatial RNA sequencing identifies robust markers of vulnerable and resistant human midbrain dopamine neurons and their expression in Parkinson's Disease. *bioRxiv*, 334417. <https://doi.org/10.1101/334417>
- Ahmed, S. M., Fransen, N. L., Touil, H., Michailidou, I., Huitinga, I., Gommerman, J. L., Bar-Or, A., & Ramaglia, V. (2022). Accumulation of meningeal lymphocytes correlates with white matter lesion activity in progressive multiple sclerosis. *JCI Insight*, *7*(5), e151683. <https://doi.org/10.1172/jci.insight.151683>

- Ahmed, S. M., Fransen, N., Touil, H., Michailidou, I., Huitinga, I., Gommerman, J. L., Bar-Or, A., & Ramaglia, V. (2021). Accumulation of meningeal lymphocytes, but not myeloid cells, correlates with subpial cortical demyelination and white matter lesion activity in progressive MS patients. *medRxiv*, 2021.12.20.21268104. <https://doi.org/10.1101/2021.12.20.21268104>
- Albors, A. R., Singer, G. A., May, A. P., Ponting, C. P., & Storey, K. G. (2022). *Ependymal cell maturation is heterogeneous and ongoing in the mouse spinal cord and dynamically regulated in response to injury* (p. 2022.03.07.483249). *bioRxiv*. <https://doi.org/10.1101/2022.03.07.483249>
- Al-Izki, S., Pryce, G., Hankey, D. J. R., Lidster, K., von Kutzleben, S. M., Browne, L., Clutterbuck, L., Posada, C., Edith Chan, A. W., Amor, S., Perkins, V., Gerritsen, W. H., Ummenthum, K., Peferoen-Baert, R., van der Valk, P., Montoya, A., Joel, S. P., Garthwaite, J., Giovannoni, G., ... Baker, D. (2014). Lesional-targeting of neuroprotection to the inflammatory penumbra in experimental multiple sclerosis. *Brain*, *137*(1), 92–108. <https://doi.org/10.1093/brain/awt324>
- Alkemade, A., de Hollander, G., Miletic, S., Keuken, M. C., Balesar, R., de Boer, O., Swaab, D. F., & Forstmann, B. U. (2019). The functional microscopic neuroanatomy of the human subthalamic nucleus. *Brain Structure and Function*, *224*(9), 3213–3227. <https://doi.org/10.1007/s00429-019-01960-3>
- Allodi, I., Comley, L., Nichterwitz, S., Nizzardo, M., Simone, C., Benitez, J. A., Cao, M., Corti, S., & Hedlund, E. (2016). Differential neuronal vulnerability identifies IGF-2 as a protective factor in ALS. *Scientific Reports*, *6*, 25960. <https://doi.org/10.1038/srep25960>
- Allodi, I., Nijssen, J., Aguila Benitez, J. C., Bonvicini, G., Cao, M., & Hedlund, E. (2018). *Modeling motor neuron resilience in ALS using stem cells*. <https://doi.org/10.1101/399659>
- Allodi, I., Nijssen, J., Benitez, J. A., Schweingruber, C., Fuchs, A., Bonvicini, G., Cao, M., Kiehn, O., & Hedlund, E. (2019). Modeling Motor Neuron Resilience in ALS Using Stem Cells. *Stem Cell Reports*, *12*(6), 1329–1341. <https://doi.org/10.1016/j.stemcr.2019.04.009>
- Almaguer, J., Hindle, A., & Lawrence, J. J. (2023). The Contribution of Hippocampal All-Trans Retinoic Acid (ATRA) Deficiency to Alzheimer’s Disease: A Narrative Overview of ATRA-Dependent Gene Expression in Post-Mortem Hippocampal Tissue. *Antioxidants*, *12*(11), Article 11. <https://doi.org/10.3390/antiox12111921>
- Almandoz-Gil, L., Lindström, V., Sigvardson, J., Kahle, P. J., Lannfelt, L., Ingelsson, M., & Bergström, J. (2017). Mapping of Surface-Exposed Epitopes of In Vitro and In Vivo Aggregated Species of Alpha-Synuclein. *Cellular and Molecular Neurobiology*, *37*(7), 1217–1226. <https://doi.org/10.1007/s10571-016-0454-0>
- Almasabi, F., Alosaimi, F., Corrales-Terrón, M., Wolters, A., Strikwerda, D., Smit, J. V., Temel, Y., Janssen, M. L. F., & Jahanshahi, A. (2022). Post-Mortem Analysis of Neuropathological Changes in Human Tinnitus. *Brain Sciences*, *12*(8), Article 8. <https://doi.org/10.3390/brainsci12081024>
- Alonso, R., Fernández-Fernández, A. M., Pisa, D., & Carrasco, L. (2018). Multiple sclerosis and mixed microbial infections. Direct identification of fungi and bacteria in nervous tissue. *Neurobiology of Disease*, *117*, 42–61. <https://doi.org/10.1016/j.nbd.2018.05.022>
- Alonso, R., Pisa, D., Fernández-Fernández, A. M., & Carrasco, L. (2018). Infection of Fungi and Bacteria in Brain Tissue From Elderly Persons and Patients With Alzheimer’s Disease. *Frontiers in Aging Neuroscience*, *10*. <https://doi.org/10.3389/fnagi.2018.00159>

- Alsema, A. M., Jiang, Q., Kracht, L., Gerrits, E., Dubbelaar, M. L., Miedema, A., Brouwer, N., Hol, E. M., Middeldorp, J., van Dijk, R., Woodbury, M., Wachter, A., Xi, S., Möller, T., Biber, K. P., Kooistra, S. M., Boddeke, E. W. G. M., & Eggen, B. J. L. (2020). Profiling Microglia From Alzheimer's Disease Donors and Non-demented Elderly in Acute Human Postmortem Cortical Tissue. *Frontiers in Molecular Neuroscience*, *13*. <https://doi.org/10.3389/fnmol.2020.00134>
- Amerongen, S. van, Caton, D. K., Ossenkoppele, R., Barkhof, F., Pouwels, P. J. W., Teunissen, C. E., Rozemuller, A. J. M., Hoozemans, J. J. M., Pijnenburg, Y. A. L., Scheltens, P., & Vijverberg, Everard. G. B. (2022). *Rationale and Design of the 'NEurodegeneration: Traumatic brain injury as Origin of the Neuropathology' (NEwTON) Study: a Prospective Cohort Study of Individuals at Risk for Chronic Traumatic Encephalopathy* [Preprint]. In Review. <https://doi.org/10.21203/rs.3.rs-1502075/v1>
- Amossé, Q., Tournier, B. B., Badina, A. M., Marchand-Maillet, L., Abjean, L., Lengacher, S., Fancy, N., Smith, A. M., Leung, Y.-Y., Santer, V., Garibotto, V., Owen, D. R., Pigué, C., Ceyzériat, K., Tsartsalis, S., & Millet, P. (2023). *Altered astrocytic and microglial homeostasis characterizes a decreased proinflammatory state in bipolar disorder* [Preprint]. *Neuroscience*. <https://doi.org/10.1101/2023.10.29.564621>
- Anand, P., Yiangou, Y., Anand, U., Mukerji, G., Sinisi, M., Fox, M., Mcquillan, A., Quick, T., Korchev, Y. E., & Hein, P. (2016). Nociceptin/orphanin Fq receptor expression in clinical pain disorders and functional effects in cultured neurons. *Pain*, *157*(9), 1960–1969. <https://doi.org/10.1097/j.pain.0000000000000597>
- Anand, U., Facer, P., Yiangou, Y., Sinisi, M., Fox, M., McCarthy, T., Bountra, C., Korchev, Y. E., & Anand, P. (2013). Angiotensin II type 2 receptor (AT2R) localization and antagonist-mediated inhibition of capsaicin responses and neurite outgrowth in human and rat sensory neurons. *European Journal of Pain*, *17*(7), 1012–1026. <https://doi.org/10.1002/j.1532-2149.2012.00269.x>
- Anand, U., Yiangou, Y., Sinisi, M., Fox, M., MacQuillan, A., Quick, T., Korchev, Y. E., Bountra, C., McCarthy, T., & Anand, P. (2015). Mechanisms underlying clinical efficacy of Angiotensin II type 2 receptor (AT2R) antagonist EMA401 in neuropathic pain: Clinical tissue and in vitro studies. *Molecular Pain*, *11*(1), 1–12. <https://doi.org/10.1186/s12990-015-0038-x>
- Anderson, K. E., Bellio, T. A., Aniskovich, E., Adams, S. L., Blusztajn, J. K., & Delalle, I. (2020). The Expression of Activin Receptor-Like Kinase 1 (ACVRL1/ALK1) in Hippocampal Arterioles Declines During Progression of Alzheimer's Disease. *Cerebral Cortex Communications*, *1*(1). <https://doi.org/10.1093/texcom/tgaa031>
- Andersson, R., Gebhard, C., Miguel-Escalada, I., Hoof, I., Bornholdt, J., Boyd, M., Chen, Y., Zhao, X., Schmidl, C., Suzuki, T., Ntini, E., Arner, E., Valen, E., Li, K., Schwarzfischer, L., Glatz, D., Raithel, J., Lilje, B., Rapin, N., ... Sandelin, A. (2014). An atlas of active enhancers across human cell types and tissues. *Nature*, *507*(7493), 455–461.
- Anwer, M., Bolkvadze, T., Ndode-Ekane, X. E., Puhakka, N., Rauramaa, T., Leinonen, V., Vliet, E. A. van, Swaab, D. F., Haapasalo, A., Leskelä, S., Bister, N., Malm, T., Carlson, S., Aronica, E., & Pitkänen, A. (2018). Sushi repeat-containing protein X-linked 2: A novel phylogenetically conserved hypothalamo-pituitary protein. *Journal of Comparative Neurology*, *526*(11), 1806–1819. <https://doi.org/10.1002/cne.24449>
- Apetri, A., Crespo, R., Juraszek, J., Pascual, G., Janson, R., Zhu, X., Zhang, H., Keogh, E., Holland, T., Wadia, J., Verveen, H., Siregar, B., Mrosek, M., Taggenbrock, R., Ameijde, J., Inganäs, H., van Winsen, M., Koldijk, M. H., Zuijdgeest, D., ... Goudsmit, J. (2018). A common antigenic motif

- recognized by naturally occurring human VH5–51/VL4–1 anti-tau antibodies with distinct functionalities. *Acta Neuropathologica Communications*, 6(1), 43.
<https://doi.org/10.1186/s40478-018-0543-z>
- Arena, A., M. Iyer, A., Milenkovic, I., G. Kovacs, G., Ferrer, I., Perluigi, M., & Aronica, E. (2017, December). *Developmental Expression and Dysregulation of miR-146a and miR-155 in Down's Syndrome and Mouse Models of Down's Syndrome and Alzheimer's Disease* [Text].
<https://doi.org/info:doi/10.2174/1567205014666170706112701>
- Armstrong, R. A., Kotzbauer, P. T., Perlmutter, J. S., Campbell, M. C., Hurth, K. M., Schmidt, R. E., & Cairns, N. J. (2014). A quantitative study of α -synuclein pathology in fifteen cases of dementia associated with Parkinson disease. *J Neural Transm*, 121. <https://doi.org/10.1007/s00702-013-1084-z>
- Asaro, A., Sinha, R., Bakun, M., Kalnytska, O., Carlo-Spiewok, A.-S., Rubel, T., Rozeboom, A., Dadlez, M., Kaminska, B., Aronica, E., Malik, A. R., & Willnow, T. E. (2021). ApoE4 disrupts interaction of sortilin with fatty acid-binding protein 7 essential to promote lipid signaling. *bioRxiv*, 2021.05.20.444938. <https://doi.org/10.1101/2021.05.20.444938>
- Azevedo, C., Teku, G., Pomeschchik, Y., Reyes, J. F., Chumarina, M., Russ, K., Savchenko, E., Hammarberg, A., Lamas, N. J., Collin, A., Gouras, G. K., Klementieva, O., Hallbeck, M., Taipa, R., Vihinen, M., & Roybon, L. (2022). Parkinson's disease and multiple system atrophy patient iPSC-derived oligodendrocytes exhibit alpha-synuclein-induced changes in maturation and immune reactive properties. *Proceedings of the National Academy of Sciences*, 119(12), e2111405119. <https://doi.org/10.1073/pnas.2111405119>
- Baek, J.-H., Schmidt, E., Viceconte, N., Strandgren, C., Pernold, K., Richard, T. J. C., Van Leeuwen, F. W., Dantuma, N. P., Damberg, P., Hultenby, K., Ulfhake, B., Mugnaini, E., Rozell, B., & Eriksson, M. (2015). Expression of progerin in aging mouse brains reveals structural nuclear abnormalities without detectable significant alterations in gene expression, hippocampal stem cells or behavior. *Human Molecular Genetics*, 24(5), 1305–1321. <https://doi.org/10.1093/hmg/ddu541>
- Baerends, E., Soud, K., Folke, J., Pedersen, A.-K., Henmar, S., Konrad, L., Lycas, M. D., Mori, Y., Pakkenberg, B., Woldbye, D. P. D., Dmytriyeva, O., & Pankratova, S. (2022). Modeling the early stages of Alzheimer's disease by administering intracerebroventricular injections of human native A β oligomers to rats. *Acta Neuropathologica Communications*, 10(1), 113.
<https://doi.org/10.1186/s40478-022-01417-5>
- Bakrania, P., Hall, G., Bouter, Y., Bouter, C., Beindorff, N., Cowan, R., Davies, S., Price, J., Mpamhanga, C., Love, E., Matthews, D., Carr, M. D., & Bayer, T. A. (2021). Discovery of a novel pseudo β -hairpin structure of N-truncated amyloid- β for use as a vaccine against Alzheimer's disease. *Molecular Psychiatry*, 1–9. <https://doi.org/10.1038/s41380-021-01385-7>
- Bakrania, P., Hall, G., Bouter, Y., Bouter, C., Beindorff, N., Cowan, R., Davies, S., Price, J., Mpamhanga, C., Love, E., Matthews, D., Carr, M. D., & Bayer, T. A. (2022). Discovery of a novel pseudo β -hairpin structure of N-truncated amyloid- β for use as a vaccine against Alzheimer's disease. *Molecular Psychiatry*, 27(2), Article 2. <https://doi.org/10.1038/s41380-021-01385-7>
- Balusu, S., Horr , K., Thrupp, N., Craessaerts, K., Snellinx, A., Serneels, L., T'Syen, D., Chrysidou, I., Arranz, A. M., Sierksma, A., Simr n, J., Karikari, T. K., Zetterberg, H., Chen, W.-T., Thal, D. R., Salta, E., Fiers, M., & De Strooper, B. (2023). MEG3 activates necroptosis in human neuron xenografts

- modeling Alzheimer's disease. *Science (New York, N.Y.)*, 381(6663), 1176–1182.
<https://doi.org/10.1126/science.abp9556>
- Balusu, S., Horré, K., Thrupp, N., Snellinx, A., Serneels, L., Chrysidou, I., Arranz, A. M., Sierksma, A., Simrén, J., Karikari, T. K., Zetterberg, H., Chen, W.-T., Thal, D. R., Salta, E., Fiers, M., & Strooper, B. D. (2022). Long noncoding RNA MEG3 activates neuronal necroptosis in Alzheimer's disease (p. 2022.02.18.480849). *bioRxiv*. <https://doi.org/10.1101/2022.02.18.480849>
- Banigan, M. G., Kao, P. F., Kozubek, J. A., Winslow, A. R., Medina, J., Costa, J., Schmitt, A., Schneider, A., Cabral, H., Cagsal-Getkin, O., Vanderburg, C. R., & Delalle, I. (2013). Differential Expression of Exosomal microRNAs in Prefrontal Cortices of Schizophrenia and Bipolar Disorder Patients. *PLoS ONE*, 8(1), e48814. <https://doi.org/10.1371/journal.pone.0048814>
- Bao, A.-M., & Swaab, D. F. (2014). The stress systems in depression: A postmortem study. *European Journal of Psychotraumatology*, 5, 10.3402/ejpt.v5.26521. PMC.
<https://doi.org/10.3402/ejpt.v5.26521>
- Barateiro, A., Afonso, V., Santos, G., Cerqueira, J. J., Brites, D., Horssen, J., & Fernandes, A. (2015). S100B as a Potential Biomarker and Therapeutic Target in Multiple Sclerosis. *Molecular Neurobiology*, 1–16. <https://doi.org/10.1007/s12035-015-9336-6>
- Barbash, S., Garfinkel, B. P., Maoz, R., Simchovitz, A., Nadorp, B., Guffanti, A., Bennett, E. R., Nadeau, C., Türk, A., Paul, L., Reda, T., Li, Y., Buchman, A. S., Greenberg, D. S., Seitz, A., Bennett, D. A., Giavalisco, P., & Soreq, H. (2017). Alzheimer's brains show inter-related changes in RNA and lipid metabolism. *Neurobiology of Disease*, 106, 1–13. <https://doi.org/10.1016/j.nbd.2017.06.008>
- Barbash, S., Simchovitz, A., Buchman, A. S., Bennett, D. A., Shifman, S., & Soreq, H. (2017). Neuronal-expressed microRNA-targeted pseudogenes compete with coding genes in the human brain. *Translational Psychiatry*, 7(8), e1199. <https://doi.org/10.1038/tp.2017.163>
- Barde, S., Aguila, J., Zhong, W., Solarz, A., Mei, I., Prud'homme, J., Palkovits, M., Turecki, G., Mulder, J., Uhlén, M., Nagy, C., Mechawar, N., Hedlund, E., & Hökfelt, T. (2022). Expression of substance P, NPY and their Receptors Is Altered in Major Depression (p. 2022.12.14.516867). *bioRxiv*.
<https://doi.org/10.1101/2022.12.14.516867>
- Bartolome, F., Krzyzanowska, A., de la Cueva, M., Pascual, C., Antequera, D., Spuch, C., Villarejo-Galende, A., Rabano, A., Fortea, J., Alcolea, D., Lleo, A., Ferrer, I., Hardy, J., Abramov, A. Y., & Carro, E. (2020). Annexin A5 prevents amyloid- β -induced toxicity in choroid plexus: Implication for Alzheimer's disease. *Scientific Reports*, 10. <https://doi.org/10.1038/s41598-020-66177-5>
- Bathini, P., Dupanloup, I., Zenaro, E., Terrabuio, E., Fischer, A., Ballabani, E., Doucey, M.-A., & Alberi, L. (2023). Systemic Inflammation Causes Microglial Dysfunction With a Vascular AD phenotype. *Brain, Behavior, & Immunity - Health*, 28, 100568. <https://doi.org/10.1016/j.bbih.2022.100568>
- Batiuk, M. Y., Tyler, T., Dragicevic, K., Mei, S., Rydbirk, R., Petukhov, V., Deviatiiarov, R., Sedmak, D., Frank, E., Feher, V., Habek, N., Hu, Q., Igolkina, A., Roszik, L., Pfisterer, U., Garcia-Gonzalez, D., Petanjek, Z., Adorjan, I., Kharchenko, P. V., & Khodosevich, K. (2022). Upper cortical layer-driven network impairment in schizophrenia. *Science Advances*, 8(41), eabn8367.
<https://doi.org/10.1126/sciadv.abn8367>
- Beaino, W., Janssen, B., Kooij, G., van der Pol, S. M. A., van Het Hof, B., van Horssen, J., Windhorst, A. D., & de Vries, H. E. (2017). Purinergic receptors P2Y12R and P2X7R: Potential targets for PET

- imaging of microglia phenotypes in multiple sclerosis. *Journal of Neuroinflammation*, *14*(1), 259. <https://doi.org/10.1186/s12974-017-1034-z>
- Bedarf, J. R., Beraza, N., Khazneh, H., Özkurt, E., Baker, D., Borger, V., Wüllner, U., & Hildebrand, F. (2021). Much ado about nothing? Off-target amplification can lead to false-positive bacterial brain microbiome detection in healthy and Parkinson's disease individuals. *Microbiome*, *9*(1), 75. <https://doi.org/10.1186/s40168-021-01012-1>
- Beecham, G. W., Dickson, D. W., Scott, W. K., Martin, E. R., Schellenberg, G., Nuytemans, K., Larson, E. B., Buxbaum, J. D., Trojanowski, J. Q., & Van Deerlin, V. M. (2015). PARK10 is a major locus for sporadic neuropathologically confirmed Parkinson disease. *Neurology*, *84*(10), 972–980.
- Beecham, G. W., Hamilton, K., Naj, A. C., Martin, E. R., Huentelman, M., Myers, A. J., Corneveaux, J. J., Hardy, J., Vonsattel, J.-P., Younkin, S. G., Bennett, D. A., De Jager, P. L., Larson, E. B., Crane, P. K., Kamboh, M. I., Kofler, J. K., Mash, D. C., Duque, L., Gilbert, J. R., ... the Alzheimer's Disease Genetics Consortium (ADGC). (2014). Genome-Wide Association Meta-analysis of Neuropathologic Features of Alzheimer's Disease and Related Dementias. *PLoS Genet*, *10*(9), e1004606. <https://doi.org/10.1371/journal.pgen.1004606>
- Bekenstein, U., Mishra, N., Milikovsky, D. Z., Hanin, G., Zelig, D., Sheintuch, L., Berson, A., Greenberg, D. S., Friedman, A., & Soreq, H. (2017). Dynamic changes in murine forebrain miR-211 expression associate with cholinergic imbalances and epileptiform activity. *Proceedings of the National Academy of Sciences*, *114*(25), E4996–E5005. <https://doi.org/10.1073/pnas.1701201114>
- Beker, N., Ganz, A., Hulsman, M., Klausch, T., Schmand, B. A., Scheltens, P., Sikkes, S. A. M., & Holstege, H. (2021). Association of Cognitive Function Trajectories in Centenarians With Postmortem Neuropathology, Physical Health, and Other Risk Factors for Cognitive Decline. *JAMA Network Open*, *4*(1), e2031654. <https://doi.org/10.1001/jamanetworkopen.2020.31654>
- Belloy, M. E., Eger, S. J., Le Guen, Y., Damotte, V., Ahmad, S., Ikram, M. A., Ramirez, A., Tsolaki, A. C., Rossi, G., Jansen, I. E., de Rojas, I., Parveen, K., Sleegers, K., Ingelsson, M., Hiltunen, M., Amin, N., Andreassen, O., Sánchez-Juan, P., Kehoe, P., ... for the European Alzheimer & Dementia BioBank (EADB). (2022). Challenges at the APOE locus: A robust quality control approach for accurate APOE genotyping. *Alzheimer's Research & Therapy*, *14*(1), 22. <https://doi.org/10.1186/s13195-022-00962-4>
- Belloy, M. E., Guen, Y. L., Eger, S. J., Napolioni, V., Greicius, M. D., & He, Z. (2021). A fast and robust strategy to remove variant level artifacts in Alzheimer's Disease Sequencing Project data. *medRxiv*, 2021.10.28.21265577. <https://doi.org/10.1101/2021.10.28.21265577>
- Belloy, M. E., Le Guen, Y., Eger, S. J., Napolioni, V., Greicius, M. D., & He, Z. (2022). A Fast and Robust Strategy to Remove Variant-Level Artifacts in Alzheimer Disease Sequencing Project Data. *Neurology Genetics*, *8*(5), e200012. <https://doi.org/10.1212/NXG.0000000000200012>
- Bennis, A., Brink, J. B. ten, Moerland, P. D., Heine, V. M., & Bergen, A. A. (2017). Comparative gene expression study and pathway analysis of the human iris- and the retinal pigment epithelium. *PLOS ONE*, *12*(8), e0182983. <https://doi.org/10.1371/journal.pone.0182983>
- Berdenis van Berlekom, A., Notman, N., Sneuboer, M. A., Snijders, G. J., Houtepen, L. C., Nispeling, D. M., He, Y., Dracheva, S., Hol, E. M., Kahn, R. S., de Witte, L. D., Boks, M. P., & Psychiatric Donor Program of the Netherlands Brain Bank, (NBB-PSY). (2021). DNA methylation differences in

- cortical grey and white matter in schizophrenia. *Epigenomics*, *13*(15), 1157–1169.
<https://doi.org/10.2217/epi-2021-0077>
- Berdowski, W. M., van der Linde, H. C., Breur, M., Oosterhof, N., Beerepoot, S., Sanderson, L., Wijnands, L. I., de Jong, P., Tsai-Meu-Chong, E., de Valk, W., de Witte, M., van IJcken, W. F. J., Demmers, J., van der Knaap, M. S., Bugiani, M., Wolf, N. I., & van Ham, T. J. (2022). Dominant-acting CSF1R variants cause microglial depletion and altered astrocytic phenotype in zebrafish and adult-onset leukodystrophy. *Acta Neuropathologica*, *144*(2), 211–239.
<https://doi.org/10.1007/s00401-022-02440-5>
- Bergen, A. A., Kaing, S., ten Brink, J. B., Netherlands Brain Bank, Gorgels, T. G., & Janssen, S. F. (2015). Gene expression and functional annotation of human choroid plexus epithelium failure in Alzheimer's disease. *BMC Genomics*, *16*(1), 1–15. <https://doi.org/10.1186/s12864-015-2159-z>
- Berrocal, M., Caballero-Bermejo, M., Gutierrez-Merino, C., & Mata, A. M. (2019). Methylene Blue Blocks and Reverses the Inhibitory Effect of Tau on PMCA Function. *International Journal of Molecular Sciences*, *20*(14), 3521. <https://doi.org/10.3390/ijms20143521>
- Berrocal, M., Corbacho, I., Gutierrez-Merino, C., & Mata, A. M. (2018). Methylene blue activates the PMCA activity and cross-interacts with amyloid β -peptide, blocking A β -mediated PMCA inhibition. *Neuropharmacology*, *139*, 163–172. <https://doi.org/10.1016/j.neuropharm.2018.07.012>
- Berrocal, M., Corbacho, I., Vázquez-Hernández, M., Ávila, J., Sepúlveda, M. R., & Mata, A. M. (2015). Inhibition of PMCA activity by tau as a function of aging and Alzheimer's neuropathology. *Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease*, *1852*(7), 1465–1476.
<https://doi.org/10.1016/j.bbadis.2015.04.007>
- Berrocal, M., Saez, L., & Mata, A. M. (2021). Sorcin Activates the Brain PMCA and Blocks the Inhibitory Effects of Molecular Markers of Alzheimer's Disease on the Pump Activity. *International Journal of Molecular Sciences*, *22*(11), Article 11. <https://doi.org/10.3390/ijms22116055>
- Bertan, F., Wischhof, L., Scifo, E., Guranda, M., Jackson, J., Marsal-Cots, A., Piazzesi, A., Stork, M., Peitz, M., Prehn, J. H. M., Ehninger, D., Nicotera, P., & Bano, D. (2021). Comparative analysis of Cl- and CIV-containing respiratory supercomplexes at single-cell resolution. *Cell Reports Methods*, *1*(1), 100002. <https://doi.org/10.1016/j.crmeth.2021.100002>
- Bertin, N., Mendez, M., Hasegawa, A., Lizio, M., Abugessaisa, I., Severin, J., Sakai-Ohno, M., Lassmann, T., Kasukawa, T., Kawaji, H., Hayashizaki, Y., Forrest, A. R. R., Carninci, P., & Plessy, C. (2017). Linking FANTOM5 CAGE peaks to annotations with CAGEscan. *Scientific Data*, *4*, 170147.
<https://doi.org/10.1038/sdata.2017.147>
- Bertoglio, D., Bard, J., Hessmann, M., Liu, L., Gärtner, A., Lombaerde, S. D., Huscher, B., Zajicek, F., Miranda, A., Peters, F., Herrmann, F., Schaertl, S., Vasilkovska, T., Brown, C. J., Johnson, P. D., Prime, M. E., Mills, M. R., Van der Linden, A., Mrzljak, L., ... Munoz-Sanjuan, I. (2021). A novel imaging ligand as a biomarker for mutant huntingtin-lowering in Huntington's disease. *bioRxiv*, 2021.07.09.451725. <https://doi.org/10.1101/2021.07.09.451725>
- Bertoglio, D., Verhaeghe, J., Wyffels, L., Miranda, A., Stroobants, S., Mrzljak, L., Dominguez, C., Skinbjerg, M., Bard, J., Liu, L., Munoz-Sanjuan, I., & Staelens, S. (2021). Synaptic vesicle glycoprotein 2A is affected in the CNS of Huntington's Disease mice and post-mortem human HD brain. *Journal of Nuclear Medicine: Official Publication, Society of Nuclear Medicine*, jnumed.121.262709. <https://doi.org/10.2967/jnumed.121.262709>

- Bertoglio, D., Verhaeghe, J., Wyffels, L., Miranda, A., Stroobants, S., Mrzljak, L., Dominguez, C., Skinbjerg, M., Bard, J., Liu, L., Munoz-Sanjuan, I., & Staelens, S. (2022). Synaptic Vesicle Glycoprotein 2A Is Affected in the Central Nervous System of Mice with Huntington Disease and in the Brain of a Human with Huntington Disease Postmortem. *Journal of Nuclear Medicine: Official Publication, Society of Nuclear Medicine*, *63*(6), 942–947. <https://doi.org/10.2967/jnumed.121.262709>
- Beyer, N., Coulson, D. T. R., Quinn, J. G., Brockbank, S., Hellems, J., Irvine, G. B., Ravid, R., & Johnston, J. A. (2014). mRNA levels of BACE1 and its interacting proteins, RTN3 and PPIL2, correlate in human post mortem brain tissue. *Neuroscience*, *274*, 44–52. <https://doi.org/10.1016/j.neuroscience.2014.05.020>
- Bhusal, A., Nam, Y., Seo, D., Rahman, M. H., Hwang, E. M., Kim, S.-C., Lee, W.-H., & Suk, K. (2022). Cathelicidin-related antimicrobial peptide promotes neuroinflammation through astrocyte–microglia communication in experimental autoimmune encephalomyelitis. *Glia*, *70*(10), 1902–1926. <https://doi.org/10.1002/glia.24227>
- Bichmann, M., Prat Oriol, N., Ercan-Herbst, E., Schöndorf, D. C., Gomez Ramos, B., Schwärzler, V., Neu, M., Schlüter, A., Wang, X., Jin, L., Hu, C., Tian, Y., Ried, J. S., Haberkant, P., Gasparini, L., & Ehrnhoefer, D. E. (2021). SETD7-mediated monomethylation is enriched on soluble Tau in Alzheimer's disease. *Molecular Neurodegeneration*, *16*(1), 46. <https://doi.org/10.1186/s13024-021-00468-x>
- Binamé, F., Pham-Van, L. D., Spenlé, C., Jolivel, V., Birmpili, D., Meyer, L. A., Jacob, L., Meyer, L., Mensah-Nyagan, A. G., Po, C., Van der Heyden, M., Roussel, G., & Bagnard, D. (2019). Disruption of Sema3A/Plexin-A1 inhibitory signalling in oligodendrocytes as a therapeutic strategy to promote remyelination. *EMBO Molecular Medicine*, *11*(11), e10378. <https://doi.org/10.15252/emmm.201910378>
- Bisschop, P., Dekker, M., Osterthun, W., Kwakkel, J., Anink, J., Boelen, A., Unmehopa, U., Koper, J., Lamberts, S., & Stewart, P. (2013). Expression of 11 β -Hydroxysteroid Dehydrogenase Type 1 in the Human Hypothalamus. *Journal of Neuroendocrinology*, *25*(5), 425–432.
- Bittner, S., & Zipp, F. (2021). A lymphocyte-glia connection sets the pace for smoldering inflammation. *Cell*, *184*(23), 5696–5698. <https://doi.org/10.1016/j.cell.2021.10.018>
- Blauwendraat, C., Francescato, M., Gibbs, J. R., Jansen, I. E., Simón-Sánchez, J., Hernandez, D. G., Dillman, A. A., Singleton, A. B., Cookson, M. R., Rizzu, P., & Heutink, P. (2016). Comprehensive promoter level expression quantitative trait loci analysis of the human frontal lobe. *Genome Medicine*, *8*, 65. <https://doi.org/10.1186/s13073-016-0320-1>
- Bobba, A., Amadoro, G., Piana, G., Calissano, P., & Atlante, A. (2014). Glycolytic enzyme upregulation and numbness of mitochondrial activity characterize the early phase of apoptosis in cerebellar granule cells. *Apoptosis*, *20*(1), 10–28. <https://doi.org/10.1007/s10495-014-1049-1>
- Bobba, A., Amadoro, G., Valenti, D., Corsetti, V., Lassandro, R., & Atlante, A. (2013). Mitochondrial respiratory chain Complexes I and IV are impaired by β -amyloid via direct interaction and through Complex I-dependent ROS production, respectively. *Mitochondrion*, *13*(4), 298–311. <https://doi.org/10.1016/j.mito.2013.03.008>

- Boche, D., Perry, V. H., & Nicoll, J. A. (2013). Review: Activation patterns of microglia and their identification in the human brain. *Neuropathol Appl Eurobiol*, *39*.
<https://doi.org/10.1111/nan.12011>
- Boer, A. de, Bosch, A. M. R. van den, Mekkes, N. J., Fransen, N., Hoekstra, E., Smolders, J., Hamann, J., Huitinga, I., & Holtman, I. R. (2023). *Identification of neuropathology-based subgroups in multiple sclerosis using a data-driven approach* (p. 2023.05.15.23289980). medRxiv.
<https://doi.org/10.1101/2023.05.15.23289980>
- Bogers, L., Engelenburg, H. J., Janssen, M., Unger, P.-P. A., Melief, M.-J., Wierenga-Wolf, A. F., Hsiao, C.-C., Mason, M. R. J., Hamann, J., Langelaar, J., Smolders, J., & Luijn, M. M. (2022). *Selective emergence of antibody-secreting cells in the multiple sclerosis brain* [Preprint]. In Review.
<https://doi.org/10.21203/rs.3.rs-1857967/v1>
- Bogers, L., Engelenburg, H. J., Janssen, M., Unger, P.-P. A., Melief, M.-J., Wierenga-Wolf, A. F., Hsiao, C.-C., Mason, M. R. J., Hamann, J., Langelaar, J. van, Smolders, J., & Luijn, M. M. van. (2023). Selective emergence of antibody-secreting cells in the multiple sclerosis brain. *eBioMedicine*, *89*.
<https://doi.org/10.1016/j.ebiom.2023.104465>
- Bogie, J. F., Boelen, E., Louagie, E., Delputte, P., Elewaut, D., van Horssen, J., Hendriks, J. J., & Hellings, N. (2018). CD169 is a marker for highly pathogenic phagocytes in multiple sclerosis. *Multiple Sclerosis Journal*, *24*(3), 290–300. <https://doi.org/10.1177/1352458517698759>
- Bogie, J. F., Grajchen, E., Wouters, E., Broux, B., Stinissen, P., Van Wijmeersch, B., & Hendriks, J. J. (2020). CNS delivery of anti-CD52 antibodies modestly reduces disease severity in an animal model for multiple sclerosis. *Therapeutic Advances in Chronic Disease*, *11*.
<https://doi.org/10.1177/2040622320947378>
- Bogie, J. F. J., Grajchen, E., Wouters, E., Corrales, A. G., Dierckx, T., Vanherle, S., Mailleux, J., Gervois, P., Wolfs, E., Dehairs, J., Van Broeckhoven, J., Bowman, A. P., Lambrichts, I., Gustafsson, J.-Å., Remaley, A. T., Mulder, M., Swinnen, J. V., Haidar, M., Ellis, S. R., ... Hendriks, J. J. A. (2020). Stearoyl-CoA desaturase-1 impairs the reparative properties of macrophages and microglia in the brain. *The Journal of Experimental Medicine*, *217*(5). <https://doi.org/10.1084/jem.20191660>
- Bogie, J. F. J., Mailleux, J., Wouters, E., Jorissen, W., Grajchen, E., Vanmol, J., Wouters, K., Hellings, N., van Horssen, J., Vanmierlo, T., & Hendriks, J. J. A. (2017). Scavenger receptor collectin placenta 1 is a novel receptor involved in the uptake of myelin by phagocytes. *Scientific Reports*, *7*, 44794.
<https://doi.org/10.1038/srep44794>
- Bogie, J. F., Jorissen, W., Mailleux, J., Nijland, P. G., Zelcer, N., Vanmierlo, T., Van Horssen, J., Stinissen, P., Hellings, N., & Hendriks, J. J. (2013). Myelin alters the inflammatory phenotype of macrophages by activating PPARs. *Acta Neuropathologica Communications*, *1*(1), 1.
- Boon, B. D. C., Bulk, M., Jonker, A. J., Morrema, T. H. J., van den Berg, E., Popovic, M., Walter, J., Kumar, S., van der Lee, S. J., Holstege, H., Zhu, X., Van Nostrand, W. E., Natté, R., van der Weerd, L., Bouwman, F. H., van de Berg, W. D. J., Rozemuller, A. J. M., & Hoozemans, J. J. M. (2020). The coarse-grained plaque: A divergent A β plaque-type in early-onset Alzheimer's disease. *Acta Neuropathologica*, *140*(6), 811–830. <https://doi.org/10.1007/s00401-020-02198-8>
- Boon, B. D. C., Hoozemans, J. J. M., Lopuhaä, B., Eigenhuis, K. N., Scheltens, P., Kamphorst, W., Rozemuller, A. J. M., & Bouwman, F. H. (2018). Neuroinflammation is increased in the parietal

- cortex of atypical Alzheimer's disease. *Journal of Neuroinflammation*, *15*(1), 170.
<https://doi.org/10.1186/s12974-018-1180-y>
- Boon, B. D. C., Hoozemans, J. J. M., Rozemuller, A. J. M., Bouwman, F. H., Frigerio, I., Jonkman, L. E., Kouri, N., Dickson, D. W., & Murray, M. E. (2022). Neuroinflammation connecting amyloid-beta and p-tau pathology, may explain clinical heterogeneity in Alzheimer's disease. *Alzheimer's & Dementia*, *18*(S6), e064056. <https://doi.org/10.1002/alz.064056>
- Boon, B. D. C., Pouwels, P. J. W., Jonkman, L. E., Keijzer, M. J., Preziosa, P., van de Berg, W. D. J., Geurts, J. J. G., Scheltens, P., Barkhof, F., Rozemuller, A. J. M., Bouwman, F. H., & Steenwijk, M. D. (2019). Can post-mortem MRI be used as a proxy for in vivo? A case study. *Brain Communications*, *1*(1). <https://doi.org/10.1093/braincomms/fcz030>
- Boonpraman, N., Yoon, S., Kim, C. Y., Moon, J.-S., & Yi, S. S. (2023). NOX4 as a critical effector mediating neuroinflammatory cytokines, myeloperoxidase and osteopontin, specifically in astrocytes in the hippocampus in Parkinson's disease. *Redox Biology*, *62*, 102698. <https://doi.org/10.1016/j.redox.2023.102698>
- Borgers, A. J., Fliers, E., Siljee, J. E., Swaab, D. F., Van Someren, E. J. W., Bisschop, P. H., & Alkemade, A. (2013). Arginine Vasopressin Immunoreactivity is Decreased in the Hypothalamic Suprachiasmatic Nucleus of Subjects with Suprasellar Tumors. *Brain Pathology*, *23*(4), 440–444. <https://doi.org/10.1111/bpa.12016>
- Borgers, A. J., Koopman, K. E., Bisschop, P. H., Serlie, M. J., Swaab, D. F., Fliers, E., la Fleur, S. E., & Alkemade, A. (2014). Decreased serotonin transporter immunoreactivity in the human hypothalamic infundibular nucleus of overweight subjects. *Frontiers in Neuroscience*, *8*, 106. PMC. <https://doi.org/10.3389/fnins.2014.00106>
- Borggrewe, M., Kooistra, S. M., Wesseling, E. M., Gierschek, F. L., Brummer, M. L., Nowak, E. C., Medeiros-Furquim, T., Otto, T. A., Lee, S. W., Noelle, R. J., Eggen, B. J. L., & Laman, J. D. (2021). VISTA regulates microglia homeostasis and myelin phagocytosis, and is associated with MS lesion pathology. *Acta Neuropathologica Communications*, *9*(1), 91. <https://doi.org/10.1186/s40478-021-01186-7>
- Borraica, A., Latina, V., Corsetti, V., Middei, S., Piccinin, S., Della Valle, F., Bussani, R., Ammassari-Teule, M., Nisticò, R., Calissano, P., & Amadoro, G. (2018). AD-Related N-Terminal Truncated Tau Is Sufficient to Recapitulate In Vivo the Early Perturbations of Human Neuropathology: Implications for Immunotherapy. *Molecular Neurobiology*, *55*(10), 8124–8153. <https://doi.org/10.1007/s12035-018-0974-3>
- Bosch, A. van den, Fransen, N., Mason, M., Rozemuller, A. J., Teunissen, C., Smolders, J., & Huitinga, I. (2022). Neurofilament Light Chain Levels in Multiple Sclerosis Correlate With Lesions Containing Foamy Macrophages and With Acute Axonal Damage. *Neurology - Neuroimmunology Neuroinflammation*, *9*(3). <https://doi.org/10.1212/NXI.0000000000001154>
- Bosch, A. M. R. van den, Poel, M. van der, Fransen, N. L., Vincenten, M. C. J., Bobeldijk, A. M., Jongejan, A., Engelenburg, H. J., Moerland, P. D., Smolders, J., Huitinga, I., & Hamann, J. (2023). Profiling of microglia nodules in multiple sclerosis reveals propensity for lesion formation (p. 2023.06.11.544204). bioRxiv. <https://doi.org/10.1101/2023.06.11.544204>
- Bossoni, L., Hegeman-Kleinn, I., van Duinen, S. G., Bulk, M., Vroegindeweij, L. H. P., Langendonk, J. G., Hirschler, L., Webb, A., & van der Weerd, L. (2021). Off-resonance saturation as an MRI method to

- quantify mineral- iron in the post-mortem brain. *Magnetic Resonance in Medicine*, n/a(n/a).
<https://doi.org/10.1002/mrm.29041>
- Bossoni, L., Hegeman-Kleinn, I., van Duinen, S. G., Bulk, M., Vroegindeweij, L. H. P., Langendonk, J. G., Hirschler, L., Webb, A., & van der Weerd, L. (2022). Off-resonance saturation as an MRI method to quantify mineral- iron in the post-mortem brain. *Magnetic Resonance in Medicine*, 87(3), 1276–1288. <https://doi.org/10.1002/mrm.29041>
- Bossoni, L., Moursel, L. G., Bulk, M., Simon, B. G., Webb, A., van der Weerd, L., Huber, M., Carretta, P., Lascialfari, A., & Oosterkamp, T. H. (2017). Human brain ferritin studied by muon Spin Rotation: A pilot study. *Journal of Physics: Condensed Matter*, 29(41), 415801.
<https://doi.org/10.1088/1361-648X/aa80b3>
- Bøstrand, S. M. K., Seeker, L. A., Kazakou, N.-L., Bestard-Cuche, N., Jäkel, S., Kenkhuis, B., Henderson, N. C., Bot, S. T. de, Roon-Mom, W. van, Priller, J., & Williams, A. (2022). *Mapping the glial transcriptome in Huntington's disease using snRNAseq: Selective disruption of glial signatures across brain regions* (p. 2022.09.10.507291). bioRxiv. <https://doi.org/10.1101/2022.09.10.507291>
- Böttcher, C., Fernández-Zapata, C., Snijders, G. J. L., Schlickeiser, S., Sneeboer, M. A. M., Kunkel, D., De Witte, L. D., & Priller, J. (2020). Single-cell mass cytometry of microglia in major depressive disorder reveals a non-inflammatory phenotype with increased homeostatic marker expression. *Translational Psychiatry*, 10. <https://doi.org/10.1038/s41398-020-00992-2>
- Böttcher, C., van der Poel, M., Fernández-Zapata, C., Schlickeiser, S., Leman, J. K. H., Hsiao, C.-C., Mizee, M. R., Adelia, Vincenten, M. C. J., Kunkel, D., Huitinga, I., Hamann, J., & Priller, J. (2020). Single-cell mass cytometry reveals complex myeloid cell composition in active lesions of progressive multiple sclerosis. *Acta Neuropathologica Communications*, 8.
<https://doi.org/10.1186/s40478-020-01010-8>
- Bouman, P. M., Steenwijk, M. D., Pouwels, P. J. W., Schoonheim, M. M., Barkhof, F., Jonkman, L. E., & Geurts, J. J. G. (2020). Histopathology-validated recommendations for cortical lesion imaging in multiple sclerosis. *Brain*, 143(10), 2988–2997. <https://doi.org/10.1093/brain/awaa233>
- Bouter, Y., Noguerola, J. S. L., Tucholla, P., Crespi, G. A. N., Parker, M. W., Wiltfang, J., Miles, L. A., & Bayer, T. A. (2015). Abeta targets of the biosimilar antibodies of Bapineuzumab, Crenezumab, Solanezumab in comparison to an antibody against N-truncated Abeta in sporadic Alzheimer disease cases and mouse models. *Acta Neuropathologica*, 130(5), 713–729.
<https://doi.org/10.1007/s00401-015-1489-x>
- Bowles, K. R., Pugh, D. A., Farrell, K., Han, N., Tcw, J., Liu, Y., Liang, S. A., Qian, L., Bendl, J., Fullard, J. F., Renton, A. E., Casella, A., Iida, M. A., Bandres-Ciga, S., Gan-Or, Z., Heutink, P., Siitonen, A., Bertelsen, S., Karch, C. M., ... Goate, A. M. (2019). 17q21.31 sub-haplotypes underlying H1-associated risk for Parkinson's disease and progressive supranuclear palsy converge on altered glial regulation. *bioRxiv*, 860668. <https://doi.org/10.1101/860668>
- Bowman, A. P., Bogie, J. F. J., Hendriks, J. J. A., Haidar, M., Belov, M., Heeren, R. M. A., & Ellis, S. R. (2019). Evaluation of lipid coverage and high spatial resolution MALDI-imaging capabilities of oversampling combined with laser post-ionisation. *Analytical and Bioanalytical Chemistry*.
<https://doi.org/10.1007/s00216-019-02290-3>
- Bowman, A. P., Bogie, J. F. J., Hendriks, J. J. A., Haidar, M., Belov, M., Heeren, R. M. A., & Ellis, S. R. (2020). Evaluation of lipid coverage and high spatial resolution MALDI-imaging capabilities of

- oversampling combined with laser post-ionisation. *Analytical and Bioanalytical Chemistry*, 412(10), 2277–2289. <https://doi.org/10.1007/s00216-019-02290-3>
- Boza-Serrano, A., Vrillon, A., Minta, K., Paulus, A., Camprubí-Ferrer, L., Garcia, M., Andreasson, U., Antonell, A., Wennström, M., Gouras, G., Dumurgier, J., Cognat, E., Molina-Porcel, L., Balasa, M., Vitorica, J., Sánchez-Valle, R., Paquet, C., Venero, J. L., Blennow, K., & Deierborg, T. (2022). Galectin-3 is elevated in CSF and is associated with A β deposits and tau aggregates in brain tissue in Alzheimer's disease. *Acta Neuropathologica*, 144(5), 843–859. <https://doi.org/10.1007/s00401-022-02469-6>
- Bozek, K., Khrameeva, E. E., Reznick, J., Omerbašić, D., Bennett, N. C., Lewin, G. R., Azpurua, J., Gorbunova, V., Seluanov, A., Regnard, P., Wanert, F., Marchal, J., Pifferi, F., Aujard, F., Liu, Z., Shi, P., Pääbo, S., Schroeder, F., Willmitzer, L., ... Khaitovich, P. (2017). Lipidome determinants of maximal lifespan in mammals. *Scientific Reports*, 7(1), 5. <https://doi.org/10.1038/s41598-017-00037-7>
- Bozek, K., Wei, Y., Yan, Z., Liu, X., Xiong, J., Sugimoto, M., Tomita, M., Pääbo, S., Pieszek, R., Sherwood, C. C., Hof, P. R., Ely, J. J., Steinhäuser, D., Willmitzer, L., Bangsbo, J., Hansson, O., Call, J., Giavalisco, P., & Khaitovich, P. (2014). Exceptional Evolutionary Divergence of Human Muscle and Brain Metabolomes Parallels Human Cognitive and Physical Uniqueness. *PLoS Biol*, 12(5), e1001871. <https://doi.org/10.1371/journal.pbio.1001871>
- Brana, C., Frossard, M. J., Pescini Gobert, R., Martinier, N., Boschert, U., & Seabrook, T. J. (2014). Immunohistochemical detection of sphingosine-1-phosphate receptor 1 and 5 in human multiple sclerosis lesions. *Neuropathology and Applied Neurobiology*, 40(5), 564–578. <https://doi.org/10.1111/nan.12048>
- Braun, R. J., Sommer, C., Leibiger, C., Gentier, R. J. G., Dumit, V. I., Paduch, K., Eisenberg, T., Habernig, L., Trausinger, G., Magnes, C., Pieber, T., Sinner, F., Dengjel, J., van Leeuwen, F. W., Kroemer, G., & Madeo, F. (2015). Accumulation of Basic Amino Acids at Mitochondria Dictates the Cytotoxicity of Aberrant Ubiquitin. *Cell Reports*, 10(9), 1557–1571. <https://doi.org/10.1016/j.celrep.2015.02.009>
- Breuer, J., Korpos, E., Hannocks, M.-J., Schneider-Hohendorf, T., Song, J., Zondler, L., Herich, S., Flanagan, K., Korn, T., Zarbock, A., Kuhlmann, T., Sorokin, L., Wiendl, H., & Schwab, N. (2018). Blockade of MCAM/CD146 impedes CNS infiltration of T cells over the choroid plexus. *Journal of Neuroinflammation*, 15(1), 236. <https://doi.org/10.1186/s12974-018-1276-4>
- Bridel, C., Gils, J. H. van, Miedema, S. S., Hoozemans, J. J., Pijnenburg, Y. A., Smit, A. B., Rozemuller, A. J., Abeln, S., & Teunissen, C. E. (2022). Clusters of co-regulated proteins in brain cortex associate with fronto-temporal lobar degeneration [Preprint]. In Review. <https://doi.org/10.21203/rs.3.rs-2247528/v1>
- Bridel, C., Koel-Simmelink, M. J. A., Peferoen, L., Troletti, C. D., Durieux, S., Gorter, R., Nutma, E., Gami, P., Iacobaeus, E., Brundin, L., Kuhle, J., Vrenken, H., Killestein, J., Piersma, S. R., Pham, T. V., Vries, H. E. D., Amor, S., Jimenez, C. R., & Teunissen, C. E. (2018). Brain endothelial cell expression of SPARCL-1 is specific to chronic multiple sclerosis lesions and is regulated by inflammatory mediators in vitro. *Neuropathology and Applied Neurobiology*, 44(4), 404–416. <https://doi.org/10.1111/nan.12412>
- Bridel, C., van Gils, J. H. M., Miedema, S. S. M., Hoozemans, J. J. M., Pijnenburg, Y. A. L., Smit, A. B., Rozemuller, A. J. M., Abeln, S., & Teunissen, C. E. (2023). Clusters of co-abundant proteins in the

- brain cortex associated with fronto-temporal lobar degeneration. *Alzheimer's Research & Therapy*, 15(1), 59. <https://doi.org/10.1186/s13195-023-01200-1>
- Brinkmalm, A., Brinkmalm, G., Honer, W. G., Frolich, L., Hausner, L., Minthon, L., Hansson, O., Wallin, A., Zetterberg, H., & Blennow, K. (2014). SNAP-25 is a promising novel cerebrospinal fluid biomarker for synapse degeneration in Alzheimer's disease. *Mol Neurodegener*, 9, 53–1326.
- Brinkmalm, A., Brinkmalm, G., Honer, W. G., Moreno, J. A., Jakobsson, J., Mallucci, G. R., Zetterberg, H., Blennow, K., & Öhrfelt, A. (2014). Targeting Synaptic Pathology with a Novel Affinity Mass Spectrometry Approach. *Molecular & Cellular Proteomics*, 13(10), 2584–2592. <https://doi.org/10.1074/mcp.M114.040113>
- Brinks, J., Dijk, E. H. C. van, Habeeb, M., Nikolaou, A., Tsonaka, R., Peters, H. A. B., Sips, H. C. M., Merbel, A. F. van de Jong, E. K. de, Notenboom, R. G. E., Kielbasa, S. M., Maarel, S. M. van der, Quax, P. H. A., Meijer, O. C., & Boon, C. J. F. (2018). The Effect of Corticosteroids on Human Choroidal Endothelial Cells: A Model to Study Central Serous Chorioretinopathy. *Investigative Ophthalmology & Visual Science*, 59(13), 5682–5692. <https://doi.org/10.1167/iovs.18-25054>
- Broux, B., Mizee, M. R., Vanheusden, M., Pol, S. van der, Horsen, J. van, Wijmeersch, B. V., Somers, V., Vries, H. E. de, Stinissen, P., & Hellings, N. (2015). IL-15 Amplifies the Pathogenic Properties of CD4+CD28- T Cells in Multiple Sclerosis. *The Journal of Immunology*, 1401547. <https://doi.org/10.4049/jimmunol.1401547>
- Bruch, J., Xu, H., De Andrade, A., & Höglinger, G. (2014). Mitochondrial complex 1 inhibition increases 4-repeat isoform tau by SRSF2 upregulation. *PLoS One*, 9(11), e113070.
- Bruggink, K. A., Kuiperij, H. B., Gloerich, J., Otte-Höller, I., Rozemuller, A. J. M., Claassen, J. A. H. R., Küsters, B., & Verbeek, M. M. (2015). Dickkopf-related protein 3 is a potential A β -associated protein in Alzheimer's Disease. *Journal of Neurochemistry*, 134(6), 1152–1162. <https://doi.org/10.1111/jnc.13216>
- Bsibsi, M., Holtman, I. R., Gerritsen, W. H., Eggen, B. J. L., Boddeke, E., Valk, P. van der, Noort, J. M. van, & Amor, S. (2013). Alpha-B-Crystallin Induces an Immune-Regulatory and Antiviral Microglial Response in Preactive Multiple Sclerosis Lesions. *Journal of Neuropathology & Experimental Neurology*, 72(10), 970–979. <https://doi.org/10.1097/NEN.0b013e3182a776bf>
- Bsibsi, M., Lo, K., Zanella, M., Geerts, L., Kostense, S., De Groot, J., Fisher, D. F., & Vlaming, M. (2023). Comparison of Human Primary microglia and Human iPSC derived microglia cells as in vitro models for microglia activation. *Alzheimer's & Dementia*, 19(S13), e076493. <https://doi.org/10.1002/alz.076493>
- Bsibsi, M., Peferoen, L. A., Holtman, I. R., Nacken, P. J., Gerritsen, W. H., Witte, M. E., Van Horsen, J., Eggen, B. J., Van Der Valk, P., & Amor, S. (2014). Demyelination during multiple sclerosis is associated with combined activation of microglia/macrophages by IFN- γ and alpha B-crystallin. *Acta Neuropathologica*, 128(2), 215–229.
- Bugiani, M., Postma, N., Polder, E., Dieleman, N., Scheffer, P. G., Sim, F. J., van der Knaap, M. S., & Boor, I. (2013). Hyaluronan accumulation and arrested oligodendrocyte progenitor maturation in vanishing white matter disease. *Brain*, 136(1), 209–222.
- Bulk, M., Abdelmoula, W. M., Geut, H., Wiarda, W., Ronen, I., Dijkstra, J., & van der Weerd, L. (2020). Quantitative MRI and laser ablation-inductively coupled plasma-mass spectrometry imaging of

- iron in the frontal cortex of healthy controls and Alzheimer's disease patients. *NeuroImage*, 215, 116808. <https://doi.org/10.1016/j.neuroimage.2020.116808>
- Bulk, M., Abdelmoula, W. M., Nabuurs, R. J. A., van der Graaf, L. M., Mulders, C. W. H., Mulder, A. A., Jost, C. R., Koster, A. J., van Buchem, M. A., Natté, R., Dijkstra, J., & van der Weerd, L. (2018). Postmortem MRI and histology demonstrate differential iron accumulation and cortical myelin organization in early- and late-onset Alzheimer's disease. *Neurobiology of Aging*, 62, 231–242. <https://doi.org/10.1016/j.neurobiolaging.2017.10.017>
- Bulk, M., Hegeman-Kleinn, I., Kenkhuis, B., Suidgeest, E., van Roon-Mom, W., Lewerenz, J., van Duinen, S., Ronen, I., & van der Weerd, L. (2020). Pathological characterization of T2*-weighted MRI contrast in the striatum of Huntington's disease patients. *NeuroImage : Clinical*, 28. <https://doi.org/10.1016/j.nicl.2020.102498>
- Bulk, M., Kenkhuis, B., van der Graaf, L. M., Goeman, J. J., Natté, R., & van der Weerd, L. (2018). Postmortem T2*-Weighted MRI Imaging of Cortical Iron Reflects Severity of Alzheimer's Disease. *Journal of Alzheimer's Disease*, 65(4), 1125–1137. <https://doi.org/10.3233/JAD-180317>
- Bulk, M., Weerd, L. van der, Breimer, W., Lebedev, N., Webb, A., Goeman, J. J., Ward, R. J., Huber, M., Oosterkamp, T. H., & Bossoni, L. (2018). Quantitative comparison of different iron forms in the temporal cortex of Alzheimer patients and control subjects. *Scientific Reports*, 8(1), 6898. <https://doi.org/10.1038/s41598-018-25021-7>
- Burley, R., Hewer, R. C., Teall, M., Dickson, L., Ossola, B., Russell, S., Bender, C., Cheung, T., Powell, J. A. C., Xu, X., Brice, N. L., Otter, L., Arimont, M., Kidd, S. L., Vidal, D., Dale, J. W., Mervin, L., Sore, H. F., Mateu, N., ... Bürli, R. W. (2022). Synthesis and SAR of novel GPR39 agonists and positive allosteric modulators. *Bioorganic & Medicinal Chemistry Letters*, 61, 128607. <https://doi.org/10.1016/j.bmcl.2022.128607>
- Burm, S. M., Peferoen, L. A. N., Zuiderwijk-Sick, E. A., Haanstra, K. G., 't Hart, B. A., van der Valk, P., Amor, S., Bauer, J., & Bajramovic, J. J. (2016). Expression of IL-1 β in rhesus EAE and MS lesions is mainly induced in the CNS itself. *Journal of Neuroinflammation*, 13(1), 138. <https://doi.org/10.1186/s12974-016-0605-8>
- Byman, E., Martinsson, I., Haukedal, H., Bank, T. N. B., Gouras, G., Freude, K. K., & Wennström, M. (2021). Neuronal α -amylase is important for neuronal activity and glycogenolysis and reduces in presence of amyloid beta pathology. *Aging Cell*, 20(8), e13433. <https://doi.org/10.1111/accel.13433>
- Byman, E., Schultz, N., Bank, the N. B., Blom, A. M., & Wennström, M. (2019). A Potential Role for α -Amylase in Amyloid- β -Induced Astrocytic Glycogenolysis and Activation. *Journal of Alzheimer's Disease*, 68(1), 205–217. <https://doi.org/10.3233/JAD-180997>
- Byström, S., Ayoglu, B., Häggmark, A., Mitsios, N., Hong, M.-G., Drobin, K., Forsström, B., Fredolini, C., Khademi, M., Amor, S., Uhlén, M., Olsson, T., Mulder, J., Nilsson, P., & Schwenk, J. M. (2014). Affinity Proteomic Profiling of Plasma, Cerebrospinal Fluid, and Brain Tissue within Multiple Sclerosis. *Journal of Proteome Research*, 13(11), 4607–4619. <https://doi.org/10.1021/pr500609e>
- Cabrera, J. R., & Lucas, J. J. (2017). MAP2 Splicing is Altered in Huntington's Disease: MAP2 Splicing is Altered in HD. *Brain Pathology*, 27(2), 181–189. <https://doi.org/10.1111/bpa.12387>
- Camporesi, E., Lashley, T., Gobom, J., Lantero-Rodriguez, J., Hansson, O., Zetterberg, H., Blennow, K., & Becker, B. (2021). Neuroligin-1 in brain and CSF of neurodegenerative disorders: Investigation

- for synaptic biomarkers. *Acta Neuropathologica Communications*, 9(1), 19. <https://doi.org/10.1186/s40478-021-01119-4>
- Cao, K., Dong, Y.-T., Xiang, J., Xu, Y., Hong, W., Song, H., & Guan, Z.-Z. (2018). Reduced expression of SIRT1 and SOD-1 and the correlation between these levels in various regions of the brains of patients with Alzheimer's disease. *Journal of Clinical Pathology*, 71(12), 1090–1099. <https://doi.org/10.1136/jclinpath-2018-205320>
- Cappelletti, C., Henriksen, S. P., Geut, H., Rozemuller, A. J. M., van de Berg, W. D. J., Pihlstrøm, L., & Toft, M. (2023). Transcriptomic profiling of Parkinson's disease brains reveals disease stage specific gene expression changes. *Acta Neuropathologica*, 146(2), 227–244. <https://doi.org/10.1007/s00401-023-02597-7>
- Capponi, S., Stöffler, N., Irimia, M., Schaik, F. M. A. V., Ondik, M. M., Biniossek, M. L., Lehmann, L., Mitschke, J., Vermunt, M. W., Creyghton, M. P., Graybiel, A. M., Reinheckel, T., Schilling, O., Blencowe, B. J., Crittenden, J. R., & Timmers, H. T. M. (2020). Neuronal-specific microexon splicing of TAF1 mRNA is directly regulated by SRRM4/nSR100. *RNA Biology*, 17(1), 62–74. <https://doi.org/10.1080/15476286.2019.1667214>
- Capponi, S., Stöffler, N., Penney, E. B., Grütz, K., Nizamuddin, S., Vermunt, M. W., Castelijn, B., Fernandez-Cerado, C., Legarda, G. P., Velasco-Andrada, M. S., Muñoz, E. L., Ang, M. A., Diesta, C. C. E., Creyghton, M. P., Klein, C., Bragg, D. C., De Rijk, P., & Timmers, H. T. M. (2021). Dissection of TAF1 neuronal splicing and implications for neurodegeneration in X-linked dystonia-parkinsonism. *Brain Communications*, 3(4), fcab253. <https://doi.org/10.1093/braincomms/fcab253>
- Carbajosa, G., Malki, K., Lawless, N., Wang, H., Ryder, J. W., Wozniak, E., Wood, K., Mein, C. A., Hodgkinson, A., Dobson, R. J. B., Collier, D. A., O'Neill, M. J., Newhouse, S. J., & Hodges, A. K. (2021). TREM2 impacts brain microglia, oligodendrocytes and endothelial co-expression modules revealing genes and pathways important in Alzheimer's disease. *bioRxiv*, 2021.07.16.452732. <https://doi.org/10.1101/2021.07.16.452732>
- Caroppo, P., Camuzat, A., Guillot-Noel, L., Thomas-Antérion, C., Couratier, P., Wong, T. H., Teichmann, M., Golfier, V., Auriacombe, S., Belliard, S., Laurent, B., Lattante, S., Millecamps, S., Clot, F., Dubois, B., Swieten, J. C. van, Brice, A., & Ber, I. L. (2016). Defining the spectrum of frontotemporal dementias associated with TARDBP mutations. *Neurology: Genetics*, 2(3). <https://doi.org/10.1212/NXG.000000000000080>
- Carrano, A., Snkhchyan, H., Kooij, G., van der Pol, S., van Horssen, J., Veerhuis, R., Hoozemans, J., Rozemuller, A., & de Vries, H. E. (2014). ATP-binding cassette transporters P-glycoprotein and breast cancer related protein are reduced in capillary cerebral amyloid angiopathy. *Neurobiology of Aging*, 35(3), 565–575.
- Castelijns, B., Baak, M. L., Timpanaro, I. S., Wiggers, C. R. M., Vermunt, M. W., Shang, P., Kondova, I., Geeven, G., Bianchi, V., de Laat, W., Geijsen, N., & Creyghton, M. P. (2020). Hominin-specific regulatory elements selectively emerged in oligodendrocytes and are disrupted in autism patients. *Nature Communications*, 11. <https://doi.org/10.1038/s41467-019-14269-w>
- Castro-Hernández, R., Berulava, T., Metelova, M., Epple, R., Centeno, T. P., Sakib, M. S., Burkhart, S., Ninov, M., Bohnsack, K. E., Bohnsack, M. T., Delalle, I., & Fischer, A. (2022). Conserved reduction of m6A marks during aging and neurodegeneration is linked to altered translation of synaptic transcripts (p. 2022.06.08.495100). *bioRxiv*. <https://doi.org/10.1101/2022.06.08.495100>

- Castro-Hernández, R., Berulava, T., Metelova, M., Epple, R., Peña Centeno, T., Richter, J., Kaurani, L., Pradhan, R., Sakib, M. S., Burkhardt, S., Ninov, M., Bohnsack, K. E., Bohnsack, M. T., Delalle, I., & Fischer, A. (n.d.). Conserved reduction of m6A RNA modifications during aging and neurodegeneration is linked to changes in synaptic transcripts. *Proceedings of the National Academy of Sciences of the United States of America*, *120*(9), e2204933120. <https://doi.org/10.1073/pnas.2204933120>
- Cegarra, C., Cameron, B., Chaves, C., Dabdoubi, T., Do, T.-M., Genêt, B., Roudières, V., Shi, Y., Tchepikoff, P., & Lesuisse, D. (2022). An innovative strategy to identify new targets for delivering antibodies to the brain has led to the exploration of the integrin family. *PLOS ONE*, *17*(9), e0274667. <https://doi.org/10.1371/journal.pone.0274667>
- Chalmoukou, K., Alexopoulos, H., Akrivou, S., Stathopoulos, P., Reindl, M., & Dalakas, M. C. (2015). Anti-MOG antibodies are frequently associated with steroid-sensitive recurrent optic neuritis. *Neurology® Neuroimmunology & Neuroinflammation*, *2*(4), e131. PMC. <https://doi.org/10.1212/NXI.000000000000131>
- Chan, R. F., Turecki, G., Shabalín, A. A., Guintivano, J., Zhao, M., Xie, L. Y., Grootheest, G. van, Kaminsky, Z. A., Dean, B., Penninx, B. W. J. H., Aberg, K. A., & Oord, E. J. C. G. van den. (2018). Cell-type-specific methylome-wide association studies implicate neurodegenerative processes and neuroimmune communication in major depressive disorder. *bioRxiv*, 432088. <https://doi.org/10.1101/432088>
- Chan, R. F., Turecki, G., Shabalín, A. A., Guintivano, J., Zhao, M., Xie, L. Y., van Grootheest, G., Kaminsky, Z. A., Dean, B., Penninx, B. W. J. H., Aberg, K. A., & van den Oord, E. J. C. G. (2020). Cell Type-Specific Methylome-wide Association Studies Implicate Neurotrophin and Innate Immune Signaling in Major Depressive Disorder. *Biological Psychiatry*, *87*(5), 431–442. <https://doi.org/10.1016/j.biopsych.2019.10.014>
- Charisiadis, P., Andrianou, X. D., van der Meer, T. P., den Dunnen, W. F. A., Swaab, D. F., Wolfenbittel, B. H. R., Makris, K. C., & van Vliet-Ostaptchouk, J. V. (2018). Possible Obesogenic Effects of Bisphenols Accumulation in the Human Brain. *Scientific Reports*, *8*(1), 8186. <https://doi.org/10.1038/s41598-018-26498-y>
- Charvet, B., Pierquin, J., Brunel, J., Gorter, R., Quétard, C., Horvat, B., Amor, S., Portoukalian, J., & Perron, H. (2021). Human Endogenous Retrovirus Type W Envelope from Multiple Sclerosis Demyelinating Lesions Shows Unique Solubility and Antigenic Characteristics. *Virologica Sinica*, *36*(5), 1006–1026. <https://doi.org/10.1007/s12250-021-00372-0>
- Chatterjee, M., Del Campo, M., Morrema, T. H. J., de Waal, M., van der Flier, W. M., Hoozemans, J. J. M., & Teunissen, C. E. (2018). Contactin-2, a synaptic and axonal protein, is reduced in cerebrospinal fluid and brain tissue in Alzheimer's disease. *Alzheimer's Research & Therapy*, *10*(1), 52. <https://doi.org/10.1186/s13195-018-0383-x>
- Chatterjee, M., van Steenoven, I., Huisman, E., Oosterveld, L., Berendse, H., van der Flier, W. M., Del Campo, M., Lemstra, A. W., van de Berg, W. D. J., & Teunissen, C. E. (2020). Contactin-1 Is Reduced in Cerebrospinal Fluid of Parkinson's Disease Patients and Is Present within Lewy Bodies. *Biomolecules*, *10*(8). <https://doi.org/10.3390/biom10081177>
- Chelban, V., Manole, A., Pihlstrøm, L., Schottlaender, L., Efthymiou, S., O'Connor, E., Meissner, W. G., Holton, J. L., & Houlden, H. (2017). Analysis of the prion protein gene in multiple system atrophy.

Neurobiology of Aging, 49, 216.e15-216.e18.
<https://doi.org/10.1016/j.neurobiolaging.2016.09.021>

- Chen, W.-T., Lu, A., Craessaerts, K., Pavie, B., Sala Frigerio, C., Corthout, N., Qian, X., Laláková, J., Kühnemund, M., Voytyuk, I., Wolfs, L., Mancuso, R., Salta, E., Balusu, S., Snellinx, A., Munck, S., Jurek, A., Fernandez Navarro, J., Saido, T. C., ... De Strooper, B. (2020). Spatial Transcriptomics and In Situ Sequencing to Study Alzheimer's Disease. *Cell*, 182(4), 976-991.e19.
<https://doi.org/10.1016/j.cell.2020.06.038>
- Chen, X.-L., Fortes, J. M., Hu, Y.-T., van Iersel, J., He, K.-N., van Heerikhuizen, J., Balesar, R., Swaab, D., & Bao, A.-M. (2023). Sexually dimorphic age-related molecular differences in the entorhinal cortex of cognitively intact elderly: Relation to early Alzheimer's changes. *Alzheimer's & Dementia*, 19(9), 3848–3857. <https://doi.org/10.1002/alz.13037>
- Chen, Y., Zhen, W., Guo, T., Zhao, Y., Liu, A., Rubio, J. P., Krull, D., Richardson, J. C., Lu, H., & Wang, R. (2017). Histamine Receptor 3 negatively regulates oligodendrocyte differentiation and remyelination. *PLOS ONE*, 12(12), e0189380. <https://doi.org/10.1371/journal.pone.0189380>
- Cheng, L., Xu, C., Wang, L., An, D., Jiang, L., Zheng, Y., Xu, Y., Wang, Y., Wang, Y., Zhang, K., Wang, X., Zhang, X., Bao, A., Zhou, Y., Yang, J., Duan, S., Swaab, D. F., Hu, W., & Chen, Z. (2021). Histamine H1 receptor deletion in cholinergic neurons induces sensorimotor gating ability deficit and social impairments in mice. *Nature Communications*, 12(1), 1142. <https://doi.org/10.1038/s41467-021-21476-x>
- Chiu, W. Z., Donker Kaat, L., Boon, A. J. W., Kamphorst, W., Schleicher, A., Zilles, K., van Swieten, J. C., & Palomero-Gallagher, N. (2017). Multireceptor fingerprints in progressive supranuclear palsy. *Alzheimer's Research & Therapy*, 9(1), 28. <https://doi.org/10.1186/s13195-017-0259-5>
- Cho, K., Cho, M.-H., Seo, J.-H., Peak, J., Kong, K.-H., Yoon, S.-Y., & Kim, D.-H. (2015). Calpain-mediated cleavage of DARPP-32 in Alzheimer's disease. *Aging Cell*, 14(5), 878–886.
<https://doi.org/10.1111/accel.12374>
- Cho, M.-H., Cho, K., Kang, H.-J., Jeon, E.-Y., Kim, H.-S., Kwon, H.-J., Kim, H.-M., Kim, D.-H., & Yoon, S.-Y. (2014). Autophagy in microglia degrades extracellular β -amyloid fibrils and regulates the NLRP3 inflammasome. *Autophagy*, 10(10), 1761–1775.
- Choi, E., Lim, J., Neuwirth, A., Economopoulou, M., Chatzigeorgiou, A., Chung, K., Bittner, S., Lee, S., Langer, H., & Samus, M. (2015). Developmental endothelial locus-1 is a homeostatic factor in the central nervous system limiting neuroinflammation and demyelination. *Molecular Psychiatry*, 20(7), 880–888.
- Choi, J. L., Kao, P. F., Itriago, E., Zhan, Y., Kozubek, J. A., Hoss, A. G., Banigan, M. G., Vanderburg, C. R., Rezvani, A. H., Latourelle, J. C., Cabral, H., & Delalle, I. (2017). miR-149 and miR-29c as candidates for bipolar disorder biomarkers. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, 174(3), 315–323. <https://doi.org/10.1002/ajmg.b.32518>
- Choi, K. Y., Lee, J. J., Gunasekaran, T. I., Kang, S., Lee, W., Jeong, J., Lim, H. J., Zhang, X., Zhu, C., Won, S.-Y., Choi, Y. Y., Seo, E. H., Lee, S. C., Gim, J., Chung, J. Y., Chong, A., Byun, M. S., Seo, S., Ko, P.-W., ... Neuroimaging Initiative, A. D. (2019). APOE Promoter Polymorphism-219T/G is an Effect Modifier of the Influence of APOE ϵ 4 on Alzheimer's Disease Risk in a Multiracial Sample. *Journal of Clinical Medicine*, 8(8), 1236. <https://doi.org/10.3390/jcm8081236>

- Choi, Y., Lee, K., Ryu, J., Kim, H. G., Jeong, A. Y., Woo, R.-S., Lee, J.-H., Hyun, J. W., Hahn, S., Kim, J.-H., & Kim, H.-S. (2014). Neuritin Attenuates Cognitive Function Impairments in Tg2576 Mouse Model of Alzheimer's Disease. *PLoS ONE*, *9*(8), e104121. <https://doi.org/10.1371/journal.pone.0104121>
- Chrobok, N. L., Bol, J. G. J. M., Wilhelmus, M. M. M., Drukarch, B., & van Dam, A.-M. (2019). Tissue Transglutaminase Appears in Monocytes and Macrophages but Not in Lymphocytes in White Matter Multiple Sclerosis Lesions. *Journal of Neuropathology & Experimental Neurology*, *78*(6), 492–500. <https://doi.org/10.1093/jnen/nlz030>
- Chunder, R., Schropp, V., Jabari, S., Marzin, M., Amor, S., & Kuerten, S. (2022). Identification of a novel role for matrix metalloproteinase-3 in the modulation of B cell responses in multiple sclerosis. *Frontiers in Immunology*, *13*. <https://doi.org/10.3389/fimmu.2022.1025377>
- Chunder, R., Schropp, V., Marzin, M., Amor, S., & Kuerten, S. (2023). A Dual Role of Osteopontin in Modifying B Cell Responses. *Biomedicines*, *11*(7), Article 7. <https://doi.org/10.3390/biomedicines11071969>
- Ciani, C., Pistorio, G., Mearelli, M., & Falcone, C. (2023). Immunofluorescence protocol for localizing protein targets in brain tissue from diverse model and non-model mammals. *STAR Protocols*, *4*(3), 102482. <https://doi.org/10.1016/j.xpro.2023.102482>
- Cicognola, C., Brinkmalm, G., Wahlgren, J., Portelius, E., Gobom, J., Cullen, N. C., Hansson, O., Parnetti, L., Constantinescu, R., Wildsmith, K., Chen, H.-H., Beach, T. G., Lashley, T., Zetterberg, H., Blennow, K., & Höglund, K. (2019). Novel tau fragments in cerebrospinal fluid: Relation to tangle pathology and cognitive decline in Alzheimer's disease. *Acta Neuropathologica*, *137*(2), 279–296. <https://doi.org/10.1007/s00401-018-1948-2>
- Cid-Samper, F., Gelabert-Baldrich, M., Lang, B., Lorenzo-Gotor, N., Ponti, R. D., Severijnen, L.-A. W. F. M., Bolognesi, B., Gelpi, E., Hukema, R. K., Botta-Orfila, T., & Tartaglia, G. G. (2018). An Integrative Study of Protein-RNA Condensates Identifies Scaffolding RNAs and Reveals Players in Fragile X-Associated Tremor/Ataxia Syndrome. *Cell Reports*, *25*(12), 3422–3434.e7. <https://doi.org/10.1016/j.celrep.2018.11.076>
- Clarkson, B. D. S., Grund, E., David, K., Johnson, R. K., & Howe, C. L. (2022). ISGylation is induced in neurons by demyelination driving ISG15-dependent microglial activation. *Journal of Neuroinflammation*, *19*(1), 258. <https://doi.org/10.1186/s12974-022-02618-4>
- Clarkson, B. D. S., Grund, E. M., Standiford, M. M., Mirchia, K., Westphal, M. S., Muschler, L. S., & Howe, C. L. (2023). CD8⁺ T cells recognizing a neuron-restricted antigen injure axons in a model of multiple sclerosis. *The Journal of Clinical Investigation*, *133*(21). <https://doi.org/10.1172/JCI162788>
- Claussion, C.-M., Arngården, L., Ishaq, O., Klaesson, A., Kühnemund, M., Grannas, K., Koos, B., Qian, X., Ranefall, P., & Krzywkowski, T. (2015). Compaction of rolling circle amplification products increases signal integrity and signal-to-noise ratio. *Scientific Reports*, *5*.
- Cleutjens, F. A., Spruit, M. A., Beckervordersandforth, J., Franssen, F. M., Dijkstra, J. B., Ponds, R. W., Wouters, E. F., & Janssen, D. J. (2015). Presence of brain pathology in deceased subjects with and without chronic obstructive pulmonary disease. *Chronic Respiratory Disease*, *12*(4), 284–290. <https://doi.org/10.1177/1479972315588005>

- Codolo, G., Plotegher, N., Pozzobon, T., Brucale, M., Tessari, I., Bubacco, L., & Bernard, M. (2013). Triggering of inflammasome by aggregated A-synuclein, an inflammatory response in synucleinopathies. *PLoS ONE*, *8*. <https://doi.org/10.1371/journal.pone.0055375>
- Comley, L., Allodi, I., Nichterwitz, S., Nizzardo, M., Simone, C., Corti, S., & Hedlund, E. (2015). Motor neurons with differential vulnerability to degeneration show distinct protein signatures in health and ALS. *Neuroscience*, *291*, 216–229.
- Consortium, T. F. (2014). A promoter-level mammalian expression atlas. *Nature*, *507*(7493), 462–470.
- Conte, C., Ingrassia, A., Breve, J., Bol, J. J., Timmermans-Huisman, E., van Dam, A.-M., Beccari, T., & van de Berg, W. D. J. (2023). Toll-like Receptor 4 Is Upregulated in Parkinson's Disease Patients and Co-Localizes with pSer129 α Syn: A Possible Link with the Pathology. *Cells*, *12*(10), Article 10. <https://doi.org/10.3390/cells12101368>
- Correa-da-Silva, F., Kalsbeek, M. J., Gadella, F. S., Oppersma, J., Jiang, W., Wolff, S. E. C., Korpel, N. L., Swaab, D. F., Fliers, E., Kalsbeek, A., & Yi, C.-X. (2023). Reduction of oxytocin-containing neurons and enhanced glymphatic activity in the hypothalamic paraventricular nucleus of patients with type 2 diabetes mellitus. *Acta Neuropathologica Communications*, *11*(1), 107. <https://doi.org/10.1186/s40478-023-01606-w>
- Corsetti, V., Florenzano, F., Atlante, A., Bobba, A., Ciotti, M. T., Natale, F., Della Valle, F., Borreca, A., Manca, A., Meli, G., Ferraina, C., Feligioni, M., D'Aguanno, S., Bussani, R., Ammassari-Teule, M., Nicolin, V., Calissano, P., & Amadoro, G. (2015). NH2-truncated human tau induces deregulated mitophagy in neurons by aberrant recruitment of Parkin and UCHL-1: Implications in Alzheimer's disease. *Human Molecular Genetics*, *24*(11), 3058–3081. <https://doi.org/10.1093/hmg/ddv059>
- Courade, J.-P., Angers, R., Mairet-Coello, G., Pacico, N., Tyson, K., Lightwood, D., Munro, R., McMillan, D., Griffin, R., Baker, T., Starkie, D., Nan, R., Westwood, M., Mushikiwabo, M.-L., Jung, S., Odede, G., Sweeney, B., Popplewell, A., Burgess, G., ... Citron, M. (2018). Epitope determines efficacy of therapeutic anti-Tau antibodies in a functional assay with human Alzheimer Tau. *Acta Neuropathologica*, *136*(5), 729–745. <https://doi.org/10.1007/s00401-018-1911-2>
- Crotti, A., Sait, H. R., McAvoy, K. M., Estrada, K., Ergun, A., Szak, S., Marsh, G., Jandreski, L., Peterson, M., Reynolds, T. L., Dalkilic-Liddle, I., Cameron, A., Cahir-McFarland, E., & Ransohoff, R. M. (2019). BIN1 favors the spreading of Tau via extracellular vesicles. *Scientific Reports*, *9*(1), 1–20. <https://doi.org/10.1038/s41598-019-45676-0>
- Cuadrado, E., Jansen, M. H., Anink, J., De Filippis, L., Vescovi, A. L., Watts, C., Aronica, E., Hol, E. M., & Kuijpers, T. W. (2013). Chronic exposure of astrocytes to interferon- α reveals molecular changes related to Aicardi–Goutières syndrome. *Brain*, *136*(1), 245–258. <https://doi.org/10.1093/brain/aws321>
- Cuadrado, E., Michailidou, I., van Bodegraven, E. J., Jansen, M. H., Sluijs, J. A., Geerts, D., Couraud, P.-O., De Filippis, L., Vescovi, A. L., Kuijpers, T. W., & Hol, E. M. (2015). Phenotypic Variation in Aicardi–Goutières Syndrome Explained by Cell-Specific IFN-Stimulated Gene Response and Cytokine Release. *The Journal of Immunology*, *194*(8), 3623–3633. <https://doi.org/10.4049/jimmunol.1401334>
- Cuadrado, E., Vanderver, A., Brown, K. J., Sandza, A., Takanohashi, A., Jansen, M. H., Anink, J., Herron, B., Orcesi, S., & Olivieri, I. (2015). Aicardi–Goutières syndrome harbours abundant systemic and brain-reactive autoantibodies. *Annals of the Rheumatic Diseases*, *74*(10), 1931–1939.

- Cui, S.-S., Jiang, Q.-W., & Chen, S.-D. (2023). Sex difference in biological change and mechanism of Alzheimer's disease: From macro- to micro-landscape. *Ageing Research Reviews*, *87*, 101918. <https://doi.org/10.1016/j.arr.2023.101918>
- Cupidi, C., Dijkstra, A. A., Melhem, S., Vernooij, M. W., Severijnen, L.-A., Hukema, R. K., Rozemuller, A. J. M., Neumann, M., van Swieten, J. C., & Seelaar, H. (2019). Refining the Spectrum of Neuronal Intranuclear Inclusion Disease: A Case Report. *Journal of Neuropathology & Experimental Neurology*, *78*(7), 665–670. <https://doi.org/10.1093/jnen/nlz043>
- Curry-Hyde, A., Gray, L. G., Chen, B. J., Ueberham, U., Arendt, T., & Janitz, M. (2020). Cell type-specific circular RNA expression in human glial cells. *Genomics*, *112*(6), 5265–5274. <https://doi.org/10.1016/j.ygeno.2020.09.042>
- Dai, D., Li, Q. C., Zhu, Q. B., Hu, S. H., Balesar, R., Swaab, D., & Bao, A. M. (2017). Direct Involvement of Androgen Receptor in Oxytocin Gene Expression: Possible Relevance for Mood Disorders. *Neuropsychopharmacology : Official Publication of the American College of Neuropsychopharmacology*, *42*(10), 2064–2071. <https://doi.org/10.1038/npp.2017.76>
- Dai, Y., Fang, T., Xu, Y., Jiang, T., & Qiao, J. (n.d.). Multi-fluorine labeled indanone derivatives as potential MRI imaging probes for β -Amyloid plaques. *Chemical Biology & Drug Design*, *n/a*(*n/a*). <https://doi.org/10.1111/cbdd.14162>
- Dai, Y., Fang, T., Xu, Y., Jiang, T., & Qiao, J. (2023). Multi-fluorine labeled indanone derivatives as potential MRI imaging probes for β -Amyloid plaques. *Chemical Biology & Drug Design*, *101*(3), 650–661. <https://doi.org/10.1111/cbdd.14162>
- Daniilidou, M., Erol, F., Alanko, V., Goikolea, J., Latorre-Leal, M., Rodriguez-Rodriguez, P., Griffiths, W. J., Wang, Y., Pacciarini, M., Brinkmalm, A., Zetterberg, H., Blennow, K., Rosenberg, A., Bogdanovic, N., Winblad, B., Kivipelto, M., Ibgghi, D., Cedazo-Minguez, A., Maioli, S., & Matton, A. (2023). Alzheimer's disease biomarker profiling in a memory clinic cohort without common comorbidities. *Brain Communications*, *5*(5), fcad228. <https://doi.org/10.1093/braincomms/fcad228>
- Daniilidou, M., Erol, F., Alanko, V., Goikolea, J., Latorre-Leal, M., Rodriguez-Rodriguez, P., Griffiths, W. J., Wang, Y., Pacciarini, M., Brinkmalm, A., Zetterberg, H., Blennow, K., Rosenberg, A., Bogdanovic, N., Winblad, B., Kivipelto, M., Ibgghi, D., Cedazo-Minguez, A., Maioli, S., & Sandebring-Matton, A. (2022). *Alzheimer's disease biomarker profiling in a memory clinic cohort without common comorbidities* (p. 2022.06.09.495140). bioRxiv. <https://doi.org/10.1101/2022.06.09.495140>
- Darreh-Shori, T., Rezaeianyzadi, S., Lana, E., Mitra, S., Gellerbring, A., Karami, A., Bogdanovic, N., Lithner, C. U., Winblad, B., & Behbahani, H. (2019). Increased Active OMI/HTRA2 Serine Protease Displays a Positive Correlation with Cholinergic Alterations in the Alzheimer's Disease Brain. *Molecular Neurobiology*, *56*(7), 4601–4619. <https://doi.org/10.1007/s12035-018-1383-3>
- Darricau, M., Dou, C., Kinet, R., Zhu, T., Zhou, L., Li, X., Bedel, A., Claverol, S., Tokarski, C., Katsinelos, T., McEwan, W. A., Zhang, L., Gao, R., Bourdenx, M., Dehay, B., Qin, C., Bezard, E., & Planche, V. (n.d.). Tau seeds from Alzheimer's disease brains trigger tau spread in macaques while oligomeric-A β mediates pathology maturation. *Alzheimer's & Dementia*, *n/a*(*n/a*). <https://doi.org/10.1002/alz.13604>

- de Bock, L., Somers, K., Fraussen, J., Hendriks, J. J., van Horssen, J., Rouwette, M., Hellings, N., Villar, L. M., Álvarez-Cermeño, J. C., & Espiño, M. (2014). Sperm-associated antigen 16 is a novel target of the humoral autoimmune response in multiple sclerosis. *The Journal of Immunology*, *193*(5), 2147–2156.
- de Hollander, G., Keuken, M. C., Bazin, P.-L., Weiss, M., Neumann, J., Reimann, K., Wähnert, M., Turner, R., Forstmann, B. U., & Schäfer, A. (2014). A gradual increase of iron toward the medial-inferior tip of the subthalamic nucleus. *Human Brain Mapping*, *35*(9), 4440–4449. <https://doi.org/10.1002/hbm.22485>
- de Jager, M., Boot, M. V., Bol, J. G. J. M., Brevé, J. J. P., Jongenelen, C. A. M., Drukarch, B., & Wilhelmus, M. M. M. (2015). The blood clotting Factor XIIIa forms unique complexes with amyloid-beta (A β) and colocalizes with deposited A β in cerebral amyloid angiopathy. *Neuropathology and Applied Neurobiology*, n/a-n/a. <https://doi.org/10.1111/nan.12244>
- de Jager, M., Drukarch, B., Hofstee, M., Brevé, J., Jongenelen, C. A. M., Bol, J. G. J. M., & Wilhelmus, M. M. M. (2015). Tissue transglutaminase-catalysed cross-linking induces Apolipoprotein E multimers inhibiting Apolipoprotein E's protective effects towards amyloid-beta-induced toxicity. *Journal of Neurochemistry*, *134*(6), 1116–1128. <https://doi.org/10.1111/jnc.13203>
- de Jager, M., van der Wildt, B., Schul, E., Bol, J. G., van Duinen, S. G., Drukarch, B., & Wilhelmus, M. M. (2013). Tissue transglutaminase colocalizes with extracellular matrix proteins in cerebral amyloid angiopathy. *Neurobiology of Aging*, *34*(4), 1159–1169.
- de Jong, C. G. H. M., Stancic, M., Pinxterhuis, T. H., van Horssen, J., van Dam, A.-M., Gabius, H.-J., & Baron, W. (2018). Galectin-4, a Negative Regulator of Oligodendrocyte Differentiation, Is Persistently Present in Axons and Microglia/Macrophages in Multiple Sclerosis Lesions. *Journal of Neuropathology & Experimental Neurology*, *77*(11), 1024–1038. <https://doi.org/10.1093/jnen/nly081>
- De Kleijn, K. M. A., Zuure, W. A., Peijnenborg, J., Heuvelmans, J. M., & Martens, G. J. M. (2019). Reappraisal of Human HOG and MO3.13 Cell Lines as a Model to Study Oligodendrocyte Functioning. *Cells*, *8*(9), 1096. <https://doi.org/10.3390/cells8091096>
- de Ruyter, F. J. H., Morrema, T., Gase, G., den Haan, J., de Boer, J., Scheltens, P., Rozemuller, A. J. M., Verbraak, F. D., Bouwman, F. H., & Hoozemans, J. J. M. (2022). Post-mortem assessment of retinal phosphorylated tau and amyloid beta in a cohort of neurodegenerative diseases. *Alzheimer's & Dementia*, *18*(S4), e061463. <https://doi.org/10.1002/alz.061463>
- de Sonnaville, S. F. A. M., van Strien, M. E., Middeldorp, J., Sluijs, J. A., van den Berge, S. A., Moeton, M., Donega, V., van Berkel, A., Deering, T., De Filippis, L., Vescovi, A. L., Aronica, E., Glass, R., van de Berg, W. D. J., Swaab, D. F., Robe, P. A., & Hol, E. M. (2020). The adult human subventricular zone: Partial ependymal coverage and proliferative capacity of cerebrospinal fluid. *Brain Communications*, *2*(2). <https://doi.org/10.1093/braincomms/fcaa150>
- de Vries, L. E., Carulli, D., Jongejan, A., Moerland, P. D., Rozemuller, A. J. M., Huitinga, I., Swaab, D. F., & Verhaagen, J. (2023). Resilience to Alzheimer's Disease: Unraveling the Molecular Mechanisms From Post-Mortem Tissue. *Alzheimer's & Dementia*, *19*(S13), e075788. <https://doi.org/10.1002/alz.075788>

- de Wit, N. M., den Hoedt, S., Martinez-Martinez, P., Rozemuller, A. J., Mulder, M. T., & de Vries, H. E. (2019). Astrocytic ceramide as possible indicator of neuroinflammation. *Journal of Neuroinflammation*, *16*(1), 48. <https://doi.org/10.1186/s12974-019-1436-1>
- de Wit, N. M., Snkhchyan, H., den Hoedt, S., Wattimena, D., de Vos, R., Mulder, M. T., Walter, J., Martinez-Martinez, P., Hoozemans, J. J., Rozemuller, A. J., & de Vries, H. E. (2017). Altered Sphingolipid Balance in Capillary Cerebral Amyloid Angiopathy. *Journal of Alzheimer's Disease*, *60*(3), 795–807. <https://doi.org/10.3233/JAD-160551>
- de Witte, L. D., Wang, Z., Snijders, G. L. J. L., Mendeleev, N., Liu, Q., Sneeboer, M. A. M., Boks, M. P. M., Ge, Y., & Haghighi, F. (2021). Contribution of Age, Brain Region, Mood Disorder Pathology, and Interindividual Factors on the Methylome of Human Microglia. *Biological Psychiatry*. <https://doi.org/10.1016/j.biopsych.2021.10.020>
- de Witte, L. D., Wang, Z., Snijders, G. L. J. L., Mendeleev, N., Liu, Q., Sneeboer, M. A. M., Boks, M. P. M., Ge, Y., & Haghighi, F. (2022). Contribution of Age, Brain Region, Mood Disorder Pathology, and Interindividual Factors on the Methylome of Human Microglia. *Biological Psychiatry*, *91*(6), 572–581. <https://doi.org/10.1016/j.biopsych.2021.10.020>
- Decker, Y., Németh, E., Schomburg, R., Chemla, A., Fülöp, L., Menger, M. D., Liu, Y., & Fassbender, K. (2021). Decreased pH in the aging brain and Alzheimer's disease. *Neurobiology of Aging*, *101*, 40–49. <https://doi.org/10.1016/j.neurobiolaging.2020.12.007>
- Del Campo, M., Hoozemans, J. J., Dekkers, L.-L., Rozemuller, A. J., Korth, C., Müller-Schiffmann, A., Scheltens, P., Blankenstein, M. A., Jimenez, C. R., & Veerhuis, R. (2014). BRI2-BRICHOS is increased in human amyloid plaques in early stages of Alzheimer's disease. *Neurobiology of Aging*, *35*(7), 1596–1604.
- Del Campo, M., Stargardt, A., Veerhuis, R., Reits, E., & Teunissen, C. E. (2015). Accumulation of BRI2-BRICHOS ectodomain correlates with a decreased clearance of A β by insulin degrading enzyme (IDE) in Alzheimer's disease. *Neuroscience Letters*, *589*, 47–51. <https://doi.org/10.1016/j.neulet.2015.01.036>
- Demuyser, T., Deneyer, L., Bentea, E., Albertini, G., Femenia, T., Walrave, L., Sato, H., Danbolt, N. C., Bundel, D. D., Michotte, A., Lindskog, M., Massie, A., & Smolders, I. (2017). Slc7a11 (xCT) protein expression is not altered in the depressed brain and system xc- deficiency does not affect depression-associated behaviour in the corticosterone mouse model. *The World Journal of Biological Psychiatry*, *0*(0), 1–12. <https://doi.org/10.1080/15622975.2017.1371332>
- Demuyser, T., Deneyer, L., Bentea, E., Albertini, G., Femenia, T., Walrave, L., Sato, H., Danbolt, N. C., Bundel, D. D., Michotte, A., Lindskog, M., Massie, A., & Smolders, I. (2019). Slc7a11 (xCT) protein expression is not altered in the depressed brain and system xc- deficiency does not affect depression-associated behaviour in the corticosterone mouse model. *The World Journal of Biological Psychiatry*, *20*(5), 381–392. <https://doi.org/10.1080/15622975.2017.1371332>
- den Haan, J., Morrema, T. H. J., Rozemuller, A. J., Bouwman, F. H., & Hoozemans, J. J. M. (2018). Different curcumin forms selectively bind fibrillar amyloid beta in post mortem Alzheimer's disease brains: Implications for in-vivo diagnostics. *Acta Neuropathologica Communications*, *6*(1), 75. <https://doi.org/10.1186/s40478-018-0577-2>
- den Haan, J., Morrema, T. H. J., Verbraak, F. D., de Boer, J. F., Scheltens, P., Rozemuller, A. J., Bergen, A. A. B., Bouwman, F. H., & Hoozemans, J. J. (2018). Amyloid-beta and phosphorylated tau in post-

- mortem Alzheimer's disease retinas. *Acta Neuropathologica Communications*, 6(1), 147. <https://doi.org/10.1186/s40478-018-0650-x>
- Depienne, C., Bugiani, M., Dupuits, C., Galanaud, D., Touitou, V., Postma, N., Van Berkel, C., Polder, E., Tollard, E., & Darios, F. (2013). Brain white matter oedema due to CIC-2 chloride channel deficiency: An observational analytical study. *The Lancet Neurology*, 12(7), 659–668.
- Depledge, D. P., Ouwendijk, W. J. D., Sadaoka, T., Braspenning, S. E., Mori, Y., Cohrs, R. J., Verjans, G. M. G. M., & Breuer, J. (2018). A spliced latency-associated VZV transcript maps antisense to the viral transactivator gene 61. *Nature Communications*, 9(1), 1–12. <https://doi.org/10.1038/s41467-018-03569-2>
- Derada Troletti, C., Fontijn, R. D., Gowing, E., Charabati, M., van Het Hof, B., Didouh, I., van der Pol, S. M. A., Geerts, D., Prat, A., van Horssen, J., Kooij, G., & de Vries, H. E. (2019). Inflammation-induced endothelial to mesenchymal transition promotes brain endothelial cell dysfunction and occurs during multiple sclerosis pathophysiology. *Cell Death & Disease*, 10(2), 1–13. <https://doi.org/10.1038/s41419-018-1294-2>
- Deshpande, D., Agarwal, N., Fleming, T., Gaveriaux-Ruff, C., Klose, C. S. N., Tappe-Theodor, A., Kuner, R., & Nawroth, P. (2021). Loss of POMC-mediated antinociception contributes to painful diabetic neuropathy. *Nature Communications*, 12(1), 426. <https://doi.org/10.1038/s41467-020-20677-0>
- Di Maio, A., De Rosa, A., Pelucchi, S., Garofalo, M., Marciano, B., Nuzzo, T., Gardoni, F., Isidori, A. M., Di Luca, M., Errico, F., De Bartolomeis, A., Marcello, E., & Usiello, A. (2022). Analysis of mRNA and Protein Levels of CAP2, DLG1 and ADAM10 Genes in Post-Mortem Brain of Schizophrenia, Parkinson's and Alzheimer's Disease Patients. *International Journal of Molecular Sciences*, 23(3), Article 3. <https://doi.org/10.3390/ijms23031539>
- Di Maio, A., Nuzzo, T., Gilio, L., Serra, M., Buttari, F., Errico, F., De Rosa, A., Bassi, M. S., Morelli, M., Sasabe, J., Sulzer, D., Carta, M., Centonze, D., & Usiello, A. (2023). Homeostasis of serine enantiomers is disrupted in the post-mortem caudate putamen and cerebrospinal fluid of living Parkinson's disease patients. *Neurobiology of Disease*, 184, 106203. <https://doi.org/10.1016/j.nbd.2023.106203>
- Dick, F., Nido, G. S., Alves, G. W., Tysnes, O.-B., Nilsen, G. H., Dölle, C., & Tzoulis, C. (2020). Differential transcript usage in the Parkinson's disease brain. *PLoS Genetics*, 16(11). <https://doi.org/10.1371/journal.pgen.1009182>
- Dijkstra, A. A., Haify, S. N., Verwey, N. A., Prins, N. D., van der Toorn, E. C., Rozemuller, A. J. M., Bugiani, M., den Dunnen, W. F. A., Todd, P. K., Charlet-Berguerand, N., Willemsen, R., Hukema, R. K., & Hoozemans, J. J. M. (2021). Neuropathology of FMR1-premutation carriers presenting with dementia and neuropsychiatric symptoms. *Brain Communications*, 3(1), fcab007. <https://doi.org/10.1093/braincomms/fcab007>
- Dijkstra, A. A., Ingrassia, A., de Menezes, R. X., van Kesteren, R. E., Rozemuller, A. J. M., Heutink, P., & van de Berg, W. D. J. (2015). Evidence for Immune Response, Axonal Dysfunction and Reduced Endocytosis in the Substantia Nigra in Early Stage Parkinson's Disease. *PLoS ONE*, 10(6), e0128651. <https://doi.org/10.1371/journal.pone.0128651>
- Dijkstra, A. A., Morrema, T., de Ruyter, F. J. H., Verbraak, F. D., de Boer, J., Pijnenburg, Y. A. L., Rozemuller, A. J. M., Bouwman, F. H., den Haan, J., & Hoozemans, J. J. M. (2023). Retinal TDP43

- pathology in Alzheimer's disease, Parkinson's disease and frontotemporal dementia. *Alzheimer's & Dementia*, 19(S2), e066503. <https://doi.org/10.1002/alz.066503>
- Dijkstra, A. A., Morrema, T. H. J., Hart de Ruyter, F. J., Gami-Patel, P., Verbraak, F. D., de Boer, J. F., Bouwman, F. H., Pijnenburg, Y. A. L., den Haan, J., Rozemuller, A. J., & Hoozemans, J. J. M. (2023). TDP-43 pathology in the retina of patients with frontotemporal lobar degeneration. *Acta Neuropathologica*, 146(5), 767–770. <https://doi.org/10.1007/s00401-023-02623-8>
- Dijkstra, A. A., Voorn, P., Berendse, H. W., Groenewegen, H. J., Netherlands Brain Bank, Rozemuller, A. J. M., & van de Berg, W. D. J. (2014). Stage-dependent nigral neuronal loss in incidental Lewy body and Parkinson's disease. *Movement Disorders*, 29(10), 1244–1251.
- Dolfe, L., Tambaro, S., Tigro, H., Del Campo, M., Hoozemans, J. J. M., Wiehager, B., Graff, C., Winblad, B., Ankarcrona, M., Kaldmäe, M., Teunissen, C. E., Rönnbäck, A., Johansson, J., & Presto, J. (2018). The Bri2 and Bri3 BRICHOS Domains Interact Differently with A β 42 and Alzheimer Amyloid Plaques. *Journal of Alzheimer's Disease Reports*, 2(1), 27–39. <https://doi.org/10.3233/ADR-170051>
- Donega, V., Burm, S. M., van Strien, M. E., van Bodegraven, E. J., Paliukhovich, I., Geut, H., van de Berg, W. D. J., Li, K. W., Smit, A. B., Basak, O., & Hol, E. M. (2019). Transcriptome and proteome profiling of neural stem cells from the human subventricular zone in Parkinson's disease. *Acta Neuropathologica Communications*, 7(1), 84. <https://doi.org/10.1186/s40478-019-0736-0>
- Donega, V., van der Geest, A. T., Sluijs, J. A., van Dijk, R. E., Wang, C. C., Basak, O., Pasterkamp, R. J., & Hol, E. M. (2022). Single-cell profiling of human subventricular zone progenitors identifies SFRP1 as a target to re-activate progenitors. *Nature Communications*, 13(1), Article 1. <https://doi.org/10.1038/s41467-022-28626-9>
- Dong, Y.-T., Cao, K., Xiang, J., Shan, L., & Guan, Z.-Z. (2020). Silent Mating-Type Information Regulation 2 Homolog 1 Attenuates the Neurotoxicity Associated with Alzheimer Disease via a Mechanism Which May Involve Regulation of Peroxisome Proliferator-Activated Receptor Gamma Coactivator 1- α . *The American Journal of Pathology*, 190(7), 1545–1564. <https://doi.org/10.1016/j.ajpath.2020.03.015>
- Doorenweerd, N., Mahfouz, A., Putten, M. van, Kaliyaperumal, R., Hoen, P. A. C. t', Hendriksen, J. G. M., Aartsma-Rus, A. M., Verschuuren, J. J. G. M., Niks, E. H., Reinders, M. J. T., Kan, H. E., & Lelieveldt, B. P. F. (2017). Timing and localization of human dystrophin isoform expression provide insights into the cognitive phenotype of Duchenne muscular dystrophy. *Scientific Reports*, 7(1), 12575. <https://doi.org/10.1038/s41598-017-12981-5>
- Doorn, K. J., Drukarch, B., van Dam, A.-M., & Lucassen, P. J. (2014). Hippocampal proliferation is increased in presymptomatic Parkinson's disease and due to microglia. *Neural Plasticity*, 2014.
- Doorn, K. J., Goudriaan, A., Blits-Huizinga, C., Bol, J. G. J. M., Rozemuller, A. J., Hoogland, P. V. J. M., Lucassen, P. J., Drukarch, B., van de Berg, W. D. J., & van Dam, A.-M. (2014). Increased Amoeboid Microglial Density in the Olfactory Bulb of Parkinson's and Alzheimer's Patients. *Brain Pathology*, 24(2), 152–165. <https://doi.org/10.1111/bpa.12088>
- Doorn, K. J., Moors, T., Drukarch, B., van de Berg, W. D., Lucassen, P. J., & van Dam, A.-M. (2014). Microglial phenotypes and toll-like receptor 2 in the substantia nigra and hippocampus of incidental Lewy body disease cases and Parkinson's disease patients. *Acta Neuropathologica Communications*, 2(1), 1.

- Dorion, M.-F., Yaqubi, M., Senkevich, K., Kieran, N. W., MacDonald, A., Chen, C. X. Q., Luo, W., Wallis, A., Shlaifer, I., Hall, J. A., Dudley, R. W. R., Glass, I. A., Stratton, J. A., Fon, E. A., Bartels, T., Antel, J. P., Gan-or, Z., Durcan, T. M., Healy, L. M., & Birth Defects Research Laboratory. (2023). MerTK is a mediator of alpha-synuclein fibril uptake by human microglia. *Brain*, awad298. <https://doi.org/10.1093/brain/awad298>
- Doshina, A., Gourgue, F., Onizuka, M., Opsomer, R., Wang, P., Ando, K., Tasiaux, B., Dewachter, I., Kienlen-Campard, P., Brion, J.-P., Gailly, P., Octave, J.-N., & Pierrot, N. (2017). Cortical cells reveal APP as a new player in the regulation of GABAergic neurotransmission. *Scientific Reports*, 7(1), 370. <https://doi.org/10.1038/s41598-017-00325-2>
- Duran-Aniotz, C., Cornejo, V. H., Espinoza, S., Ardiles, Á. O., Medinas, D. B., Salazar, C., Foley, A., Gajardo, I., Thielen, P., Iwawaki, T., Scheper, W., Soto, C., Palacios, A. G., Hoozemans, J. J. M., & Hetz, C. (2017). IRE1 signaling exacerbates Alzheimer's disease pathogenesis. *Acta Neuropathologica*, 134(3), 489–506. <https://doi.org/10.1007/s00401-017-1694-x>
- Dzamko, N., Gysbers, A. M., Bandopadhyay, R., Bolliger, M. F., Uchino, A., Zhao, Y., Takao, M., Wauters, S., van de Berg, W. D. J., Takahashi-Fujigasaki, J., Nichols, R. J., Holton, J. L., Murayama, S., & Halliday, G. M. (2017). LRRK2 levels and phosphorylation in Parkinson's disease brain and cases with restricted Lewy bodies: Lrrk2 In The PD Brain. *Movement Disorders*, 32(3), 423–432. <https://doi.org/10.1002/mds.26892>
- Ebbert, M. T. W., Boehme, K. L., Wadsworth, M. E., Staley, L. A., Mukherjee, S., Crane, P. K., Ridge, P. G., & Kauwe, J. S. K. (2016). Interaction between variants in CLU and MS4A4E modulates Alzheimer's disease risk. *Alzheimer's & Dementia*, 12(2), 121–129. <https://doi.org/10.1016/j.jalz.2015.08.163>
- Eilam, R., Aharoni, R., Arnon, R., & Malach, R. (2016). Astrocyte morphology is confined by cortical functional boundaries in mammals ranging from mice to human. *eLife*, 5. <https://doi.org/10.7554/eLife.15915>
- Elizaldi, S. R., Hawes, C. E., Verma, A., Dinasarapu, A. R., Lakshmanappa, Y. S., Schlegel, B. T., Rajasundaram, D., Li, J., Durbin-Johnson, B. P., Ma, Z.-M., Beckman, D., Ott, S., Lifson, J., Morrison, J. H., & Iyer, S. S. (2023). CCR7+ CD4 T Cell Immunosurveillance Disrupted in Chronic SIV-Induced Neuroinflammation in Rhesus Brain (p. 2023.08.28.555037). bioRxiv. <https://doi.org/10.1101/2023.08.28.555037>
- Elkouris, M., Kouroupi, G., Vourvoukelis, A., Papagiannakis, N., Kaltezioti, V., Matsas, R., Stefanis, L., Xilouri, M., & Politis, P. K. (2019). Long Non-coding RNAs Associated With Neurodegeneration-Linked Genes Are Reduced in Parkinson's Disease Patients. *Frontiers in Cellular Neuroscience*, 13. <https://doi.org/10.3389/fncel.2019.00058>
- Elnagar, M. R., Walls, A. B., Helal, G. K., Hamada, F. M., Thomsen, M. S., & Jensen, A. A. (2017). Probing the putative $\alpha 7$ nAChR/NMDAR complex in human and murine cortex and hippocampus: Different degrees of complex formation in healthy and Alzheimer brain tissue. *PLOS ONE*, 12(12), e0189513. <https://doi.org/10.1371/journal.pone.0189513>
- Elorza, A., Márquez, Y., Cabrera, J. R., Sánchez-Trincado, J. L., Santos-Galindo, M., Hernández, I. H., Picó, S., Díaz-Hernández, J. I., García-Escudero, R., Irímia, M., & Lucas, J. J. (2021). Huntington's disease-specific mis-splicing unveils key effector genes and altered splicing factors. *Brain*, 144(7), 2009–2023. <https://doi.org/10.1093/brain/awab087>

- Escott-Price, V., Bellenguez, C., Wang, L.-S., Choi, S.-H., Harold, D., Jones, L., Holmans, P., Gerrish, A., Vedernikov, A., Richards, A., DeStefano, A. L., Lambert, J.-C., Ibrahim-Verbaas, C. A., Naj, A. C., Sims, R., Jun, G., Bis, J. C., Beecham, G. W., Grenier-Boley, B., ... Williams, J. (2014). Gene-wide analysis detects two new susceptibility genes for Alzheimer's disease. *PLoS One*, *9*(6), e94661. <https://doi.org/10.1371/journal.pone.0094661>
- Espitia Pinzon, N., van Mierlo, H., de Jonge, J. C., Brevé, J. J. P., Bol, J. G. J. M., Drukarch, B., van Dam, A.-M., & Baron, W. (2019). Tissue Transglutaminase Promotes Early Differentiation of Oligodendrocyte Progenitor Cells. *Frontiers in Cellular Neuroscience*, *13*. <https://doi.org/10.3389/fncel.2019.00281>
- Ettema, L., Lochocki, B., Hoozemans, J. J. M., Boer, J. F. de, & Ariese, F. (2022). Label-free Raman and fluorescence imaging of amyloid plaques in human Alzheimer's disease brain tissue reveal carotenoid accumulations. *Journal of Optics*, *24*(5), 054005. <https://doi.org/10.1088/2040-8986/ac5b51>
- Ettle, B., Kerman, B. E., Valera, E., Gillmann, C., Schlachetzki, J. C. M., Reiprich, S., Büttner, C., Ekici, A. B., Reis, A., Wegner, M., Bäuerle, T., Riemenschneider, M. J., Masliah, E., Gage, F. H., & Winkler, J. (2016). α -Synuclein-induced myelination deficit defines a novel interventional target for multiple system atrophy. *Acta Neuropathologica*, *132*(1), 59–75. <https://doi.org/10.1007/s00401-016-1572-y>
- Fabricius, K., Jacobsen, J. S., & Pakkenberg, B. (2013). Effect of age on neocortical brain cells in 90+ year old human females—a cell counting study. *Neurobiol. Aging*, *34*(1558-1497 (Electronic)), 91–99. <https://doi.org/10.1016/j.neurobiolaging.2012.06.009>
- Fang, Q., Xicoy, H., Shen, J., Luchetti, S., Dai, D., Zhou, P., Qi, X.-R., Martens, G. J. M., Huitinga, I., Swaab, D. F., Liu, C., & Shan, L. (2021). Histamine-4 receptor antagonist ameliorates Parkinson-like pathology in the striatum. *Brain, Behavior, and Immunity*, *92*, 127–138. <https://doi.org/10.1016/j.bbi.2020.11.036>
- Fang, X., Sun, D., Wang, Z., Yu, Z., Liu, W., Pu, Y., Wang, D., Huang, A., Liu, M., Xiang, Z., He, C., & Cao, L. (2017). MiR-30a Positively Regulates the Inflammatory Response of Microglia in Experimental Autoimmune Encephalomyelitis. *Neuroscience Bulletin*, *33*(6), 603–615. <https://doi.org/10.1007/s12264-017-0153-y>
- Fang, X. T., Hultqvist, G., Meier, S. R., Antoni, G., Sehlin, D., & Syvänen, S. (2019). High detection sensitivity with antibody-based PET radioligand for amyloid beta in brain. *NeuroImage*, *184*, 881–888. <https://doi.org/10.1016/j.neuroimage.2018.10.011>
- Farrell, K., Humphrey, J., Chang, T., Zhao, Y., Leung, Y. Y., Kuksa, P. P., Patil, V., Lee, W.-P., Kuzma, A. B., Valladares, O., Cantwell, L. B., Wang, H., Ravi, A., Sanctis, C. D., Han, N., Christie, T. D., Whitney, K., Krassner, M. M., Walsh, H., ... Naj, A. (2023). *Genetic, transcriptomic, histological, and biochemical analysis of progressive supranuclear palsy implicates glial activation and novel risk genes* [Preprint]. Neuroscience. <https://doi.org/10.1101/2023.11.09.565552>
- Fathy, Y. Y., de Jong, F. J., van Dam, A.-M., Rozemuller, A. J. M., & van de Berg, W. D. J. (2017). *Insular cortex sub-region-dependent distribution pattern of α -synuclein immunoreactivity in Parkinson's disease and dementia with Lewy bodies*. <https://doi.org/10.1101/156984>
- Fathy, Y. Y., Jonker, A. J., Oudejans, E., Jong, F. J. J. de, Dam, A.-M. W. van, Rozemuller, A. J. M., & Berg, W. D. J. van de. (2018). Differential insular cortex subregional vulnerability to α -synuclein

- pathology in Parkinson's disease and dementia with Lewy bodies. *Neuropathology and Applied Neurobiology*, 45(3), 262–277. <https://doi.org/10.1111/nan.12501>
- Fathy, Y. Y., Jonker, A. J., Oudejans, E., Jong, F. J. J. de, Dam, A.-M. W. van, Rozemuller, A. J. M., & Berg, W. D. J. van de. (2019). Differential insular cortex subregional vulnerability to α -synuclein pathology in Parkinson's disease and dementia with Lewy bodies. *Neuropathology and Applied Neurobiology*, 45(3), 262–277. <https://doi.org/10.1111/nan.12501>
- Fathy, Y. Y., Jonkman, L. E., Bol, J. J., Timmermans, E., Jonker, A. J., Rozemuller, A. J. M., & de Berg, W. D. van. (2022). *Axonal degeneration in the anterior insular cortex in Parkinson's disease and Dementia with Lewy bodies: More than just an α -synuclein story* [Preprint]. In Review. <https://doi.org/10.21203/rs.3.rs-1767866/v1>
- Fathy, Y. Y., Jonkman, L. E., Bol, J. J., Timmermans, E., Jonker, A. J., Rozemuller, A. J. M., & van de Berg, W. D. J. (2022). Axonal degeneration in the anterior insular cortex is associated with Alzheimer's co-pathology in Parkinson's disease and dementia with Lewy bodies. *Translational Neurodegeneration*, 11(1), 52. <https://doi.org/10.1186/s40035-022-00325-x>
- Fernández Blanco, L., Marzin, M., Leistra, A., van der Valk, P., Nutma, E., & Amor, S. (2022). Immunopathology of the optic nerve in multiple sclerosis. *Clinical and Experimental Immunology*, 209(2), 236–246. <https://doi.org/10.1093/cei/uxac063>
- Fernández Zapata, C., Giacomello, G., Spruth, E. J., Middeldorp, J., Gallaccio, G., Dehlinger, A., Dames, C., Leman, J. K. H., van Dijk, R. E., Meisel, A., Schlickeiser, S., Kunkel, D., Hol, E. M., Paul, F., Parr, M. K., Priller, J., & Böttcher, C. (2022). Differential compartmentalization of myeloid cell phenotypes and responses towards the CNS in Alzheimer's disease. *Nature Communications*, 13(1), Article 1. <https://doi.org/10.1038/s41467-022-34719-2>
- Fernandez-Klett, F., Brandt, L., Fernández-Zapata, C., Abuelnor, B., Middeldorp, J., Sluijs, J. A., Curtis, M., Faull, R., Harris, L. W., Bahn, S., Hol, E. M., & Priller, J. (2020). Denser brain capillary network with preserved pericytes in Alzheimer's disease. *Brain Pathology*, 30(6), 1071–1086. <https://doi.org/10.1111/bpa.12897>
- Fernández-Nogales, M., Cabrera, J. R., Santos-Galindo, M., Hoozemans, J. J., Ferrer, I., Rozemuller, A. J., Hernández, F., Avila, J., & Lucas, J. J. (2014). Huntington's disease is a four-repeat tauopathy with tau nuclear rods. *Nature Medicine*, 20(8), 881–885.
- Fernández-Nogales, M., Hernández, F., Miguez, A., Alberch, J., Ginés, S., Pérez-Navarro, E., & Lucas, J. J. (2015). Decreased glycogen synthase kinase-3 levels and activity contribute to Huntington's disease. *Human Molecular Genetics*, 24(17), 5040–5052. <https://doi.org/10.1093/hmg/ddv224>
- Fernández-Nogales, M., & Lucas, J. J. (2020). Altered Levels and Isoforms of Tau and Nuclear Membrane Invaginations in Huntington's Disease. *Frontiers in Cellular Neuroscience*, 13. <https://doi.org/10.3389/fncel.2019.00574>
- Findlay, C. R., Wiens, R., Rak, M., Sedlmair, J., Hirschmugl, C. J., Morrison, J., Mundy, C. J., Kansiz, M., & Gough, K. M. (2015). Rapid biodiagnostic ex vivo imaging at 1 μ m pixel resolution with thermal source FTIR FPA. *The Analyst*, 140(7), 2493–2503. <https://doi.org/10.1039/c4an01982b>
- Fiondella, L., Gami-Patel, P., Blok, C. A., Rozemuller, A. J. M., Hoozemans, J. J. M., Pijnenburg, Y. A. L., Scarioni, M., Dijkstra, A. A., & The Netherlands Brain Bank. (2023). Movement disorders are linked to TDP-43 burden in the substantia nigra of FTLD-TDP brain donors. *Acta Neuropathologica Communications*, 11(1), 63. <https://doi.org/10.1186/s40478-023-01560-7>

- Flores-Fernandez, J. M., Pesch, V., Sriraman, A., Chimal-Juarez, E., Amidian, S., Wang, X., Reithofer, S., Ma, L., Tamgüney, G., & Wille, H. (2023). *Rational design of structure-based vaccines targeting misfolded alpha-synuclein conformers of Parkinson's disease and related disorders* (p. 2023.06.30.547254). bioRxiv. <https://doi.org/10.1101/2023.06.30.547254>
- Fodder, K., Murthy, M., Rizzu, P., Toomey, C. E., Hasan, R., Humphrey, J., Raj, T., Lunnon, K., Mill, J., Heutink, P., Lashley, T., & Bettencourt, C. (2023). Brain DNA methylomic analysis of frontotemporal lobar degeneration reveals OTUD4 in shared dysregulated signatures across pathological subtypes. *Acta Neuropathologica*, *146*(1), 77–95. <https://doi.org/10.1007/s00401-023-02583-z>
- Folke, J., Pakkenberg, B., & Brudek, T. (2019). Impaired Wnt Signaling in the Prefrontal Cortex of Alzheimer's Disease. *Molecular Neurobiology*, *56*(2), 873–891. <https://doi.org/10.1007/s12035-018-1103-z>
- Fontana, I. C., Kumar, A., Okamura, N., & Nordberg, A. (2023). Multitracer Approach to Understanding the Complexity of Reactive Astroglia in Alzheimer's Brains. *ACS Chemical Neuroscience*. <https://doi.org/10.1021/acschemneuro.3c00646>
- Forgacsova, A., Galba, J., Garruto, R. M., Majerova, P., Katina, S., & Kovac, A. (2018). A novel liquid chromatography/mass spectrometry method for determination of neurotransmitters in brain tissue: Application to human tauopathies. *Journal of Chromatography B*, *1073*, 154–162. <https://doi.org/10.1016/j.jchromb.2017.12.015>
- Forsberg, A., Juréus, A., Cselényi, Z., Eriksdotter, M., Freund-Levi, Y., Jeppsson, F., Swahn, B.-M., Sandell, J., Julin, P., Schou, M., Andersson, J., Johnström, P., Varnäs, K., Halldin, C., Farde, L., & Svensson, S. (2013). Low background and high contrast PET imaging of amyloid- β with [11C]AZD2995 and [11C]AZD2184 in Alzheimer's disease patients. *European Journal of Nuclear Medicine and Molecular Imaging*, *40*(4), 580–593. <https://doi.org/10.1007/s00259-012-2322-6>
- Fransen, N. L., Crusius, J. B. A., Smolders, J., Mizee, M. R., van Eden, C. G., Luchetti, S., Remmerswaal, E. B. M., Hamann, J., Mason, M. R. J., & Huitinga, I. (2020). Post-mortem multiple sclerosis lesion pathology is influenced by single nucleotide polymorphisms. *Brain Pathology (Zurich, Switzerland)*, *30*(1), 106–119. <https://doi.org/10.1111/bpa.12760>
- Fransen, N. L., Hsiao, C.-C., van der Poel, M., Engelenburg, H. J., Verdaasdonk, K., Vincenten, M. C. J., Remmerswaal, E. B. M., Kuhlmann, T., Mason, M. R. J., Hamann, J., Smolders, J., & Huitinga, I. (2020). Tissue-resident memory T cells invade the brain parenchyma in multiple sclerosis white matter lesions. *Brain*, *143*(6), 1714–1730. <https://doi.org/10.1093/brain/awaa117>
- Fransen, N. L., Jong, B. A. de, Heß, K., Kuhlmann, T., Vincenten, M. C. J., Hamann, J., Huitinga, I., & Smolders, J. (2021). Absence of B Cells in Brainstem and White Matter Lesions Associates With Less Severe Disease and Absence of Oligoclonal Bands in MS. *Neurology - Neuroimmunology Neuroinflammation*, *8*(2). <https://doi.org/10.1212/NXI.0000000000000955>
- Fraussen, J., Claes, N., Van Wijmeersch, B., van Horssen, J., Stinissen, P., Hupperts, R., & Somers, V. (2016). B cells of multiple sclerosis patients induce autoreactive proinflammatory T cell responses. *Clinical Immunology*, *173*, 124–132. <https://doi.org/10.1016/j.clim.2016.10.001>
- Frenkel-Pinter, M., Shmueli, M. D., Raz, C., Yanku, M., Zilberzwige, S., Gazit, E., & Segal, D. (2017). Interplay between protein glycosylation pathways in Alzheimer's disease. *Science Advances*, *3*(9), e1601576. <https://doi.org/10.1126/sciadv.1601576>

- Frey, B., Holzinger, D., Taylor, K., Ehrnhoefer, D. E., Striebinger, A., Biesinger, S., Gasparini, L., O'Neill, M. J., Wegner, F., Barghorn, S., Höglinger, G. U., & Heym, R. G. (2023). Tau seed amplification assay reveals relationship between seeding and pathological forms of tau in Alzheimer's disease brain. *Acta Neuropathologica Communications*, *11*(1), 181. <https://doi.org/10.1186/s40478-023-01676-w>
- Frigerio, I., Boon, B. D. C., Lin, C.-P., Galis-de Graaf, Y., Bol, J., Preziosa, P., Twisk, J., Barkhof, F., Hoozemans, J. J. M., Bouwman, F. H., Rozemuller, A. J. M., van de Berg, W. D. J., & Jonkman, L. E. (2021). Amyloid- β , p-tau and reactive microglia are pathological correlates of MRI cortical atrophy in Alzheimer's disease. *Brain Communications*, *3*(4), fcab281. <https://doi.org/10.1093/braincomms/fcab281>
- Frigerio, I., Boon, B. D., Lin, C.-P., Graaf, Y. G., Bol, J. G., Preziosa, P., Twisk, J., Barkhof, F., Hoozemans, J. J., Bouwman, F. H., Rozemuller, A. J., van de Berg, W. D., & Jonkman, L. E. (2021). Amyloid- β , p-tau, and reactive microglia load are correlates of MRI cortical atrophy in Alzheimer's disease. *bioRxiv*, 2021.06.16.448650. <https://doi.org/10.1101/2021.06.16.448650>
- Frigerio, I., Laansma, M. A., Lin, C.-P., Hermans, E. J., Bouwman, M. M., Bol, J. G., Galis-de Graaf, Y., Hepp, D. H., Rozemuller, A. J., Barkhof, F., van de Berg, W. D., & Jonkman, L. E. (2022). *Cortical distribution of neurofilaments associates with pathological hallmarks and MRI measures of atrophy and diffusivity in Parkinson's disease* [Preprint]. Neuroscience. <https://doi.org/10.1101/2022.08.10.503440>
- Frigerio, I., Laansma, M. A., Lin, C.-P., Hermans, E. J. M., Bouwman, M. M. A., Bol, J. G. J. M., Galis-de Graaf, Y., Hepp, D. H., Rozemuller, A. J. M., Barkhof, F., van de Berg, W. D. J., & Jonkman, L. E. (2023). Neurofilament light chain is increased in the parahippocampal cortex and associates with pathological hallmarks in Parkinson's disease dementia. *Translational Neurodegeneration*, *12*(1), 3. <https://doi.org/10.1186/s40035-022-00328-8>
- Fritsche, L., Teuber-Hanselmann, S., Soub, D., Harnisch, K., Mairinger, F., & Junker, A. (2019). MicroRNA profiles of MS gray matter lesions identify modulators of the synaptic protein synaptotagmin-7. *Brain Pathology*, *n/a*(n/a). <https://doi.org/10.1111/bpa.12800>
- Fritsche, L., Teuber-Hanselmann, S., Soub, D., Harnisch, K., Mairinger, F., & Junker, A. (2020). MicroRNA profiles of MS gray matter lesions identify modulators of the synaptic protein synaptotagmin-7. *Brain Pathology*, *30*(3), 524–540. <https://doi.org/10.1111/bpa.12800>
- Fritz, F. J., Sengupta, S., Harms, R. L., Tse, D. H., Poser, B. A., & Roebroek, A. (2019). Ultra-high resolution and multi-shell diffusion MRI of intact ex vivo human brains using kT-dSTEAM at 9.4T. *NeuroImage*, *202*, 116087. <https://doi.org/10.1016/j.neuroimage.2019.116087>
- FTLD-TDP assemblies seed neoaggregates with subtype-specific features via a prion-like cascade. (2021). *EMBO Reports*, *22*(12), e53877. <https://doi.org/10.15252/embr.202153877>
- Fu, W., Vukojevic, V., Patel, A., Soudy, R., MacTavish, D., Westaway, D., Kaur, K., Goncharuk, V., & Jhamandas, J. (2017). Role of microglial amylin receptors in mediating beta amyloid (A β)-induced inflammation. *Journal of Neuroinflammation*, *14*(1), 199. <https://doi.org/10.1186/s12974-017-0972-9>
- Gabusiewicz, K., Rodriguez, B., Wei, J., Hashimoto, Y., Healy, L. M., Maiti, S. N., Thomas, G., Zhou, S., Wang, Q., Elakkad, A., Liebelt, B. D., Yaghi, N. K., Ezhilarasan, R., Huang, N., Weinberg, J. S., Prabhu, S. S., Rao, G., Sawaya, R., Langford, L. A., ... Heimberger, A. B. (2016). Glioblastoma-

- infiltrated innate immune cells resemble M0 macrophage phenotype. *JCI Insight*, 1(2).
<https://doi.org/10.1172/jci.insight.85841>
- Gail Canter, R., Huang, W.-C., Choi, H., Wang, J., Ashley Watson, L., Yao, C. G., Abdurrob, F., Bousleiman, S. M., Young, J. Z., Bennett, D. A., Delalle, I., Chung, K., & Tsai, L.-H. (2019). 3D mapping reveals network-specific amyloid progression and subcortical susceptibility in mice. *Communications Biology*, 2(1), 1–12. <https://doi.org/10.1038/s42003-019-0599-8>
- Gaisler-Salomon, I., Kravitz, E., Feiler, Y., Safran, M., Biegon, A., Amariglio, N., & Rechavi, G. (2014). Hippocampus-specific deficiency in RNA editing of GluA2 in Alzheimer's disease. *Neurobiology of Aging*, 35(8), 1785–1791. <https://doi.org/10.1016/j.neurobiolaging.2014.02.018>
- Galama, J. M. D., Zoll, J. G., Lanke, K. H., de Jong, A. S., Melief, J., Huitinga, I., Verbeek, M. M., & van Kuppeveld, F. J. M. (2014). Saffold coronavirus and multiple sclerosis: No evidence for an association. *Annals of Clinical and Translational Neurology*, 1(8), 618–621.
<https://doi.org/10.1002/acn3.82>
- Galatro, T. F., Holtman, I. R., Lerario, A. M., Vainchtein, I. D., Brouwer, N., Sola, P. R., Veras, M. M., Pereira, T. F., Leite, R. E. P., Möller, T., Wes, P. D., Sogayar, M. C., Laman, J. D., den Dunnen, W., Pasqualucci, C. A., Oba-Shinjo, S. M., Boddeke, E. W. G. M., Marie, S. K. N., & Eggen, B. J. L. (2017). Transcriptomic analysis of purified human cortical microglia reveals age-associated changes. *Nature Neuroscience*, 20, 1162.
- Gami-Patel, P., Scarioni, M., Bouwman, F. H., Boon, B. D. C., van Swieten, J. C., Brain Bank, N., Rozemuller, A. J. M., Smit, A. B., Pijnenburg, Y. A. L., Hoozemans, J. J. M., & Dijkstra, A. A. (2022). The severity of behavioural symptoms in FTD is linked to the loss of GABRQ-expressing VENs and pyramidal neurons. *Neuropathology and Applied Neurobiology*, 48(4), e12798.
<https://doi.org/10.1111/nan.12798>
- Gami-Patel, P., van Dijken, I., Meeter, L. H., Melhem, S., Morrema, T. H. J., Scheper, W., van Swieten, J. C., Rozemuller, A. J. M., Dijkstra, A. A., & Hoozemans, J. J. M. (2021). Unfolded protein response activation in C9orf72 frontotemporal dementia is associated with dipeptide pathology and granulovacuolar degeneration in granule cells. *Brain Pathology*, 31(1), 163–173.
<https://doi.org/10.1111/bpa.12894>
- Gan, C., Zhao, Z., Nan, D.-D., Yin, B., & Hu, J. (2014). Homoisoflavonoids as potential imaging agents for β -amyloid plaques in Alzheimer's disease. *European Journal of Medicinal Chemistry*, 76, 125–131. <https://doi.org/10.1016/j.ejmech.2014.02.020>
- Gan, C., Zhou, L., Zhao, Z., & Wang, H. (2013). Benzothiazole Schiff-bases as potential imaging agents for β -amyloid plaques in Alzheimer's disease. *Medicinal Chemistry Research*, 22(9), 4069–4074.
<https://doi.org/10.1007/s00044-012-0416-0>
- Gao, S., Zhang, T., Jin, L., Liang, D., Fan, G., Song, Y., Lucassen, P. J., Yu, R., & Swaab, D. F. (2019). CAPON Is a Critical Protein in Synaptic Molecular Networks in the Prefrontal Cortex of Mood Disorder Patients and Contributes to Depression-Like Behavior in a Mouse Model. *Cerebral Cortex*, 29(9), 3752–3765. <https://doi.org/10.1093/cercor/bhy254>
- Gao, S.-F., Klomp, A., Wu, J.-L., Swaab, D. F., & Bao, A.-M. (2013). Reduced GAD65/67 immunoreactivity in the hypothalamic paraventricular nucleus in depression: A postmortem study. *Journal of Affective Disorders*, 149(1), 422–425.

- Gao, S.-F., Qi, X.-R., Zhao, J., Balesar, R., Bao, A.-M., & Swaab, D. F. (2013). Decreased NOS1 Expression in the Anterior Cingulate Cortex in Depression. *Cerebral Cortex*, *23*(12), 2956–2964. <https://doi.org/10.1093/cercor/bhs285>
- Gargareta, V.-I., Reuschenbach, J., Siems, S. B., Sun, T., Piepkorn, L., Mangana, C., Späte, E., Goebbels, S., Huitinga, I., Möbius, W., Nave, K.-A., Jahn, O., & Werner, H. B. (2022). Conservation and divergence of myelin proteome and oligodendrocyte transcriptome profiles between humans and mice. *eLife*, *11*, e77019. <https://doi.org/10.7554/eLife.77019>
- Gasser, J., Gillet, G., Valadas, J. S., Rouvière, L., Kotian, A., Fan, W., Keaney, J., & Kadiu, I. (2023). Innate immune activation and aberrant function in the R6/2 mouse model and Huntington's disease iPSC-derived microglia. *Frontiers in Molecular Neuroscience*, *16*. <https://www.frontiersin.org/articles/10.3389/fnmol.2023.1191324>
- Gasterich, N., Bohn, A., Sesterhenn, A., Nebelo, F., Fein, L., Kaddatz, H., Nyamoya, S., Kant, S., Kipp, M., Weiskirchen, R., Zendedel, A., Beyer, C., & Clarner, T. (2022). Lipocalin 2 attenuates oligodendrocyte loss and immune cell infiltration in mouse models for multiple sclerosis. *Glia*, *70*(11), 2188–2206. <https://doi.org/10.1002/glia.24245>
- Gaunitz, S., Tjernberg, L. O., & Schedin-Weiss, S. (2020). The N-glycan profile in cortex and hippocampus is altered in Alzheimer disease. *Journal of Neurochemistry*, *n/a*(n/a). <https://doi.org/10.1111/jnc.15202>
- Gaunitz, S., Tjernberg, L. O., & Schedin-Weiss, S. (2021). The N-glycan profile in cortex and hippocampus is altered in Alzheimer disease. *Journal of Neurochemistry*, *159*(2), 292–304. <https://doi.org/10.1111/jnc.15202>
- Gellhaar, S., Sunnemark, D., Eriksson, H., Olson, L., & Galter, D. (2017). Myeloperoxidase-immunoreactive cells are significantly increased in brain areas affected by neurodegeneration in Parkinson's and Alzheimer's disease. *Cell and Tissue Research*, *369*(3), 445–454. <https://doi.org/10.1007/s00441-017-2626-8>
- Gerrits, E., Brouwer, N., Kooistra, S. M., Woodbury, M. E., Vermeiren, Y., Lambourne, M., Mulder, J., Kummer, M., Möller, T., Biber, K., Dunnen, W. F. A. den, De Deyn, P. P., Eggen, B. J. L., & Boddeke, E. W. G. M. (2021). Distinct amyloid- β and tau-associated microglia profiles in Alzheimer's disease. *Acta Neuropathologica*, *141*(5), 681–696. <https://doi.org/10.1007/s00401-021-02263-w>
- Gerrits, E., Giannini, L. A. A., Brouwer, N., Melhem, S., Seilhean, D., Le Ber, I., Kamermans, A., Kooij, G., de Vries, H. E., Boddeke, E. W. G. M., Seelaar, H., van Swieten, J. C., & Eggen, B. J. L. (2022). Neurovascular dysfunction in GRN-associated frontotemporal dementia identified by single-nucleus RNA sequencing of human cerebral cortex. *Nature Neuroscience*, *25*(8), Article 8. <https://doi.org/10.1038/s41593-022-01124-3>
- Geut, H., Hepp, D. H., Foncke, E., Berendse, H. W., Rozemuller, J. M., Huitinga, I., & van de Berg, W. D. J. (2020). Neuropathological correlates of parkinsonian disorders in a large Dutch autopsy series. *Acta Neuropathologica Communications*, *8*. <https://doi.org/10.1186/s40478-020-00914-9>
- Ghanbari, M., Darweesh, S. K. L., de Looper, H. W. J., van Luijn, M. M., Hofman, A., Ikram, M. A., Franco, O. H., Erkeland, S. J., & Dehghan, A. (2016). Genetic Variants in MicroRNAs and Their Binding Sites Are Associated with the Risk of Parkinson Disease. *Human Mutation*, *37*(3), 292–300. <https://doi.org/10.1002/humu.22943>

- Ghanbari, M., Erkeland, S. J., Xu, L., Colijn, J. M., Franco, O. H., Dehghan, A., Klaver, C. C. W., & Meester-Smoor, M. A. (2017). Genetic variants in microRNAs and their binding sites within gene 3'UTRs associate with susceptibility to age-related macular degeneration: GHANBARI et al. *Human Mutation*, *38*(7), 827–838. <https://doi.org/10.1002/humu.23226>
- Ghanbari, M., Ikram, M. A., Looper, H. W. J. de, Hofman, A., Erkeland, S. J., Franco, O. H., & Dehghan, A. (2016). Genome-wide identification of microRNA-related variants associated with risk of Alzheimer's disease. *Scientific Reports*, *6*, 28387. <https://doi.org/10.1038/srep28387>
- Ghanbari, M., Munshi, S. T., Ma, B., Lendemeijer, B., Bansal, S., Adams, H. H., Wang, W., Goth, K., Slump, D. E., Hout, M. C. G. N. van den, IJcken, W. F. J. van, Bellusci, S., Pan, Q., Erkeland, S. J., Vrij, F. M. S. de, Kushner, S. A., & Ikram, M. A. (2019). A functional variant in the miR-142 promoter modulating its expression and conferring risk of Alzheimer disease. *Human Mutation*, *40*(11), 2131–2145. <https://doi.org/10.1002/humu.23872>
- Ghazi-Visser, L., Laman, J. D., Nagel, S., van Meurs, M., van Riel, D., Tzankov, A., Frank, S., Adams, H., Wolk, K., Terracciano, L., Melief, M.-J., Sabat, R., & Günthert, U. (2013). CD44 variant isoforms control experimental autoimmune encephalomyelitis by affecting the lifespan of the pathogenic T cells. *The FASEB Journal*, *27*(9), 3683–3701. <https://doi.org/10.1096/fj.13-228809>
- Ghorbani, F., Boer, E. N. de, Fokkens, M. R., Boer-Bergsma, J. de, Verschuuren-Bemelmans, C. C., Wierenga, E., Kasaei, H., Noordermeer, D., Verbeek, D. S., Westers, H., & Diemen, C. C. van. (2023). *Identification and copy number variant analysis of enhancer regions of genes causing spinocerebellar ataxia* (p. 2023.08.31.555719). bioRxiv. <https://doi.org/10.1101/2023.08.31.555719>
- Ghorbani, S., Jelinek, E., Jain, R., Buehner, B., Li, C., Lozinski, B. M., Sarkar, S., Kaushik, D. K., Dong, Y., Wight, T. N., Karimi-Abdolrezaee, S., Schenk, G. J., Strijbis, E. M., Geurts, J., Zhang, P., Ling, C.-C., & Yong, V. W. (2022). Versican promotes T helper 17 cytotoxic inflammation and impedes oligodendrocyte precursor cell remyelination. *Nature Communications*, *13*(1), Article 1. <https://doi.org/10.1038/s41467-022-30032-0>
- Giannini, L. A. A., Bulk, M., Kenkhuis, B., Rajcic, A., Melhem, S., Hegeman-Kleinn, I., Bossoni, L., Suidgeest, E., Dopper, E. G. P., van Swieten, J. C., van der Weerd, L., & Seelaar, H. (2023). Cortical iron accumulation in MAPT- and C9orf 72-associated frontotemporal lobar degeneration. *Brain Pathology*, *33*(4), e13158. <https://doi.org/10.1111/bpa.13158>
- Giannini, L. A. A., Ohm, D. T., Rozemuller, A. J. M., Dratch, L., Suh, E., van Deerlin, V. M., Trojanowski, J. Q., Lee, E. B., van Swieten, J. C., Grossman, M., Seelaar, H., Irwin, D. J., & Netherlands Brain Bank. (2022). Isoform-specific patterns of tau burden and neuronal degeneration in MAPT-associated frontotemporal lobar degeneration. *Acta Neuropathologica*, *144*(6), 1065–1084. <https://doi.org/10.1007/s00401-022-02487-4>
- Giannini, L. A., Mol, M. O., Rajcic, A., van Buuren, R., Sarkar, L., Arezoumandan, S., Ohm, D. T., Irwin, D. J., Rozemuller, A. J., van Swieten, J. C., Seelaar, H., & Netherlands Brain Bank. (2023). Presymptomatic and early pathological features of MAPT-associated frontotemporal lobar degeneration. *Acta Neuropathologica Communications*, *11*(1), 126. <https://doi.org/10.1186/s40478-023-01588-9>
- Gilbert, M. A. G., Fatima, N., Jenkins, J., O'Sullivan, T. J., Schertel, A., Halfon, Y., Morrema, T. H. J., Geibel, M., Radford, S. E., Hoozemans, J. J. M., & Frank, R. A. W. (2023). In situ cryo-electron

- tomography of β -amyloid and tau in post-mortem Alzheimer's disease brain [Preprint]. Pathology. <https://doi.org/10.1101/2023.07.17.549278>
- Ginneken, V. van. (2017). Are there any Biomarkers of Aging? Biomarkers of the Brain. *Biomedical Journal of Scientific & Technical Research*, 1(1). <https://doi.org/10.26717/BJSTR.2017.01.000151>
- Ginneken, V. van. (2019). The Expected Pandemic of Mild-Alzheimer (\approx Type 3 Diabetes) , How to Combat ? *Gastroenterology & Hepatology International Journal*, 4(2).
- Ginneken, V. van, Meerveld, A. van, Verheij, E., & der Greef, J. van. (2017). On the Futile Existence of DHA, None of EPA and the Predominant Role of the Triacylglycerols (TGs) in the Post Mortem Human Brain: An LCMS Study with Evolutionary Implications. *Journal of Bioanalysis & Biomedicine*, 09(03). <https://doi.org/10.4172/1948-593X.1000170>
- Ginneken, V. van, Verheij, E., Hekman, M., & der Greef, J. van. (2017). Characterization of the lipid profile post mortem for Type-2 diabetes in human brain and plasma of the elderly with LCMS-techniques: A descriptive approach of diabetic encephalopathy. *Integrative Molecular Medicine*, 4(2). <https://doi.org/10.15761/IMM.1000278>
- Ginneken, V. van, Vries, E. de, E, V., & der Greef, J. van. (2017). Type 3 Diabetes Reflects Disordered Lipid Metabolism in the Human Brain Related to Higher Degree of Unsaturated Fatty Acids Composition and is not Related to Body Mass Index. *Journal of Bioanalysis & Biomedicine*, 09(03). <https://doi.org/10.4172/1948-593X.1000171>
- Giraldo, M., Lopera, F., Siniard, A. L., Corneveaux, J. J., Schrauwen, I., Carvajal, J., Muñoz, C., Ramirez-Restrepo, M., Gaiteri, C., Myers, A. J., Caselli, R. J., Kosik, K. S., Reiman, E. M., & Huentelman, M. J. (2013). Variants in triggering receptor expressed on myeloid cells 2 are associated with both behavioral variant frontotemporal lobar degeneration and Alzheimer's disease. *Neurobiology of Aging*, 34(8), 2077.e11-2077.e18. <https://doi.org/10.1016/j.neurobiolaging.2013.02.016>
- Gkanatsiou, E., Sahlin, C., Portelius, E., Johannesson, M., Söderberg, L., Fälting, J., Basun, H., Möller, C., Odergren, T., Zetterberg, H., Blennow, K., Lannfelt, L., & Brinkmalm, G. (2021). Characterization of monomeric and soluble aggregated A β in Down's syndrome and Alzheimer's disease brains. *Neuroscience Letters*, 754, 135894. <https://doi.org/10.1016/j.neulet.2021.135894>
- Gomes, L. C., Hänzelmann, S., Oller, S., Parvaz, M., Hausmann, F., Khatri, R., Ebbing, M., Holzapfel, C., Pasetto, L., Columbro, S. F., Scozzari, S., Gebelin, M., Knöferle, J., Cordts, I., Demleitner, A. F., Tzeplaeff, L., Deschauer, M., Dufke, C., Sturm, M., ... Lingor, P. (2023). *Multiomic ALS signatures highlight sex differences and molecular subclusters and identify the MAPK pathway as therapeutic target* (p. 2023.08.14.553180). bioRxiv. <https://doi.org/10.1101/2023.08.14.553180>
- Gomes-Duarte, A., Venø, M. T., de Wit, M., Senthilkumar, K., Broekhoven, M. H., van den Herik, J., Heeres, F. R., van Rossum, D., Rybiczka-Tesulov, M., Legnini, I., van Rijen, P. C., van Eijsden, P., Gosselaar, P. H., Rajewsky, N., Kjemis, J., Vangoor, V. R., & Pasterkamp, R. J. (2022). Expression of Circ_Satb1 Is Decreased in Mesial Temporal Lobe Epilepsy and Regulates Dendritic Spine Morphology. *Frontiers in Molecular Neuroscience*, 15, 832133. <https://doi.org/10.3389/fnmol.2022.832133>
- Gorter, R. P., Nutma, E., Jahrei, M.-C., Jonge, J. C. de, Quinlan, R. A., Valk, P. van der, Noort, J. M. van, Baron, W., & Amor, S. (2018). Heat shock proteins are differentially expressed in brain and spinal cord: Implications for multiple sclerosis. *Clinical & Experimental Immunology*, 194(2), 137–152. <https://doi.org/10.1111/cei.13186>

- Grajchen, E., Wouters, E., van de Haterd, B., Haidar, M., Hardonnière, K., Dierckx, T., Van Broeckhoven, J., Erens, C., Hendrix, S., Kerdine-Römer, S., Hendriks, J. J. A., & Bogie, J. F. J. (2020). CD36-mediated uptake of myelin debris by macrophages and microglia reduces neuroinflammation. *Journal of Neuroinflammation*, *17*(1), 224. <https://doi.org/10.1186/s12974-020-01899-x>
- Grand Moursel, L., van Roon-Mom, W. M. C., Kiełbasa, S. M., Mei, H., Buermans, H. P. J., van der Graaf, L. M., Hettne, K. M., de Meijer, E. J., van Duinen, S. G., Laros, J. F. J., van Buchem, M. A., 't Hoen, P. A. C., van der Maarel, S. M., & van der Weerd, L. (2018). Brain Transcriptomic Analysis of Hereditary Cerebral Hemorrhage With Amyloidosis-Dutch Type. *Frontiers in Aging Neuroscience*, *10*. <https://doi.org/10.3389/fnagi.2018.00102>
- Griesser, E., Wyatt, H., Ten Have, S., Stierstorfer, B., Lenter, M., & Lamond, A. I. (2020). Quantitative Profiling of the Human Substantia Nigra Proteome from Laser-capture Microdissected FFPE Tissue. *Molecular & Cellular Proteomics : MCP*, *19*(5), 839–851. <https://doi.org/10.1074/mcp.RA119.001889>
- Grimm, M. O. W., Haupenthal, V. J., Mett, J., Stahlmann, C. P., Blümel, T., Mylonas, N. T., Endres, K., Grimm, H. S., & Hartmann, T. (2016). Oxidized Docosaehaenoic Acid Species and Lipid Peroxidation Products Increase Amyloidogenic Amyloid Precursor Protein Processing. *Neurodegenerative Diseases*, *16*(1–2), 44–54. <https://doi.org/10.1159/000440839>
- Grimm, M.-J., Respondek, G., Stamelou, M., Arzberger, T., Ferguson, L., Gelpi, E., Giese, A., Grossman, M., Irwin, D. J., Pantelyat, A., Rajput, A., Roeber, S., Swieten, J. C. van, Troakes, C., Meissner, W. G., Nilsson, C., Piot, I., Compta, Y., Rowe, J. B., & Höglinger, G. U. (2020). Clinical Conditions “Suggestive of Progressive Supranuclear Palsy” —Diagnostic Performance. *Movement Disorders*, *35*(12), 2301–2313. <https://doi.org/10.1002/mds.28263>
- Grochowska, M. M., Carreras Mascaro, A., Boumeester, V., Natale, D., Breedveld, G. J., Geut, H., van Cappellen, W. A., Boon, A. J. W., Kievit, A. J. A., Sammler, E., Parchi, P., Cortelli, P., Alessi, D. R., van de Berg, W. D. J., Bonifati, V., Mandemakers, W., & Netherlands Brain Bank. (2021). LRP10 interacts with SORL1 in the intracellular vesicle trafficking pathway in non-neuronal brain cells and localises to Lewy bodies in Parkinson’s disease and dementia with Lewy bodies. *Acta Neuropathologica*, *142*(1), 117–137. <https://doi.org/10.1007/s00401-021-02313-3>
- Grosser, C., Neumann, L., Horsthemke, B., Zeschmigg, M., & van de Nes, J. (2014). Methylation analysis of SST and SSTR4 promoters in the neocortex of Alzheimer’s disease patients. *Neuroscience Letters*, *566*, 241–246.
- Große-Veldmann, R., Becker, B., Amor, S., Valk, P., Beyer, C., & Kipp, M. (2015). Lesion Expansion in Experimental Demyelination Animal Models and Multiple Sclerosis Lesions. *Molecular Neurobiology*, 1–13. <https://doi.org/10.1007/s12035-015-9420-y>
- Grünblatt, E., Ruder, J., Monoranu, C. M., Riederer, P., Youdim, M. B., & Mandel, S. A. (2018). Differential Alterations in Metabolism and Proteolysis-Related Proteins in Human Parkinson’s Disease Substantia Nigra. *Neurotoxicity Research*, *33*(3), 560–568. <https://doi.org/10.1007/s12640-017-9843-5>
- Gu, G. J., Lund, H., Wu, D., Blokzijl, A., Classon, C., von Euler, G., Landegren, U., Sunnemark, D., & Kamali-Moghaddam, M. (2013). Role of Individual MARK Isoforms in Phosphorylation of Tau at Ser262 in Alzheimer’s Disease. *NeuroMolecular Medicine*, *15*(3), 458–469. <https://doi.org/10.1007/s12017-013-8232-3>

- Gu, G. J., Wu, D., Lund, H., Sunnemark, D., Kvist, A. J., Milner, R., Eckersley, S., Nilsson, L. N., Agerman, K., & Landegren, U. (2013). Elevated MARK2-Dependent Phosphorylation of Tau in Alzheimer's Disease. *Journal of Alzheimer's Disease*, *33*(3), 699–713.
- Guerreiro, R., Escott-Price, V., Hernandez, D. G., Kun-Rodrigues, C., Ross, O. A., Orme, T., Neto, J. L., Carmona, S., Dehghani, N., Eicher, J. D., Shepherd, C., Parkkinen, L., Darwent, L., Heckman, M. G., Scholz, S. W., Troncoso, J. C., Pletnikova, O., Dawson, T., Rosenthal, L., ... Bras, J. (2019). Heritability and genetic variance of dementia with Lewy bodies. *Neurobiology of Disease*, *127*, 492–501. <https://doi.org/10.1016/j.nbd.2019.04.004>
- Guerreiro, R., Kara, E., Le Ber, I., Bras, J., Rohrer, J. D., Taipa, R., Lashley, T., Dupuits, C., Gurunlian, N., & Mochel, F. (2013). Genetic analysis of inherited leukodystrophies: Genotype-phenotype correlations in the CSF1R gene. *JAMA Neurology*, *70*(7), 875–882.
- Guerreiro, R., Ross, O. A., Kun-Rodrigues, C., Hernandez, D. G., Orme, T., Eicher, J. D., Shepherd, C. E., Parkkinen, L., Darwent, L., Heckman, M. G., Scholz, S. W., Troncoso, J. C., Pletnikova, O., Ansorge, O., Clarimon, J., Lleo, A., Morenas-Rodriguez, E., Clark, L., Honig, L. S., ... Bras, J. (2018). Investigating the genetic architecture of dementia with Lewy bodies: A two-stage genome-wide association study. *The Lancet Neurology*, *17*(1), 64–74. [https://doi.org/10.1016/S1474-4422\(17\)30400-3](https://doi.org/10.1016/S1474-4422(17)30400-3)
- Guillot-Sestier, M.-V., Araiz, A. R., Mela, V., Gaban, A. S., O'Neill, E., Joshi, L., Chouchani, E. T., Mills, E. L., & Lynch, M. A. (2021). Microglial metabolism is a pivotal factor in sexual dimorphism in Alzheimer's disease. *Communications Biology*, *4*, 711. <https://doi.org/10.1038/s42003-021-02259-y>
- Guitton, R., Dölle, C., Alves, G., Ole-Bjørn, T., Nido, G. S., & Tzoulis, C. (2022). Ultra-deep whole genome bisulfite sequencing reveals a single methylation hotspot in human brain mitochondrial DNA. *Epigenetics*, *17*(8), 906–921. <https://doi.org/10.1080/15592294.2022.2045754>
- Guitton, R., Dölle, C., Alves, G., Tysnes, O.-B., Nido, G. S., & Tzoulis, C. (2021). Ultra-deep whole genome bisulfite sequencing reveals a single methylation hotspot in human brain mitochondrial DNA. *bioRxiv*, 2021.03.30.437685. <https://doi.org/10.1101/2021.03.30.437685>
- Gulyás, B., Sovago, J., Gomez-Mancilla, B., Jia, Z., Szigeti, C., Gulya, K., Schumacher, M., Maguire, R. P., Gasparini, F., & Halldin, C. (2014). Decrease of mGluR5 receptor density goes parallel with changes in enkephalin and substance P immunoreactivity in Huntington's disease: A preliminary investigation in the postmortem human brain. *Brain Structure and Function*, *220*(5), 3043–3051. <https://doi.org/10.1007/s00429-014-0812-y>
- Gumbs, S. B. H., Berdenis van Berlekom, A., Kübler, R., Schipper, P. J., Gharu, L., Boks, M. P., Ormel, P. R., Wensing, A. M. J., de Witte, L. D., & Nijhuis, M. (2022). Characterization of HIV-1 Infection in Microglia-Containing Human Cerebral Organoids. *Viruses*, *14*(4), Article 4. <https://doi.org/10.3390/v14040829>
- Gumbs, S. B. H., Kübler, R., Gharu, L., Schipper, P. J., Borst, A. L., Snijders, G. J. L. J., Ormel, P. R., van Berlekom, A. B., Wensing, A. M. J., de Witte, L. D., & Nijhuis, M. (2022). Human microglial models to study HIV infection and neuropathogenesis: A literature overview and comparative analyses. *Journal of NeuroVirology*, *28*(1), 64–91. <https://doi.org/10.1007/s13365-021-01049-w>
- Gündner, A. L., Duran-Pacheco, G., Zimmermann, S., Ruf, I., Moors, T., Baumann, K., Jagasia, R., van de Berg, W. D. J., & Kremer, T. (2019). Path mediation analysis reveals GBA impacts Lewy body

- disease status by increasing α -synuclein levels. *Neurobiology of Disease*, 121, 205–213.
<https://doi.org/10.1016/j.nbd.2018.09.015>
- Guo, L., Appelman, B., Mooij-Kalverda, K., Houtkooper, R. H., Weeghel, M. van, Vaz, F. M., Dijkhuis, A., Dekker, T., Smids, B. S., Duitman, J. W., Bugiani, M., Brinkman, P., Sikkens, J. J., Lavell, H. A. A., Wüst, R. C. I., Vugt, M. van, Lutter, R., Agtmael, M. A. van, Algera, A. G., ... Beek, D. van de. (2023). Prolonged indoleamine 2,3-dioxygenase-2 activity and associated cellular stress in post-acute sequelae of SARS-CoV-2 infection. *eBioMedicine*, 94.
<https://doi.org/10.1016/j.ebiom.2023.104729>
- Guo, L., Qi, Y.-J., Tan, H., Dai, D., Balesar, R., Sluiter, A., van Heerikhuize, J., Hu, S.-H., Swaab, D. F., & Bao, A.-M. (2022). Different oxytocin and corticotropin-releasing hormone system changes in bipolar disorder and major depressive disorder patients. *eBioMedicine*, 84, 104266.
<https://doi.org/10.1016/j.ebiom.2022.104266>
- Guo, L., Stormmesand, J., Fang, Z., Zhu, Q., Balesar, R., van Heerikhuize, J., Sluiter, A., Swaab, D., & Bao, A.-M. (2019). Quantification of Tyrosine Hydroxylase and ErbB4 in the Locus Coeruleus of Mood Disorder Patients Using a Multispectral Method to Prevent Interference with Immunocytochemical Signals by Neuromelanin. *Neuroscience Bulletin*, 35(2), 205–215.
<https://doi.org/10.1007/s12264-019-00339-y>
- Guttikonda, S. R., Sikkema, L., Tchieu, J., Saurat, N., Walsh, R., Harschnitz, O., Ciceri, G., Sneeboer, M., Mazutis, L., Setty, M., Zumbo, P., Betel, D., de Witte, L. D., Pe'er, D., & Studer, L. (2021). Fully defined human pluripotent stem cell-derived microglia and tri-culture system model C3 production in Alzheimer's disease. *Nature Neuroscience*, 24(3), 343–354.
<https://doi.org/10.1038/s41593-020-00796-z>
- Guzmán, E. A., Bouter, Y., Richard, B. C., Lannfelt, L., Ingelsson, M., Paetau, A., Verkkoniemi-Ahola, A., Wirths, O., & Bayer, T. A. (2014). Abundance of A β 5-x like immunoreactivity in transgenic 5XFAD, APP/PS1KI and 3xTG mice, sporadic and familial Alzheimer's disease. *Molecular Neurodegeneration*, 9(1), 1–11.
- Haan, J. den, Morrema, T. H. J., Brink, J. B. ten, Verbraak, F., Boer, J. de, Scheltens, P., Rozemuller, A. M., Bergen, A. A. B., Bouwman, F. H., & Hoozemans, J. J. M. (2018a). BINDING PROPERTIES OF CURCUMIN IN POSTMORTEM BRAIN TISSUE: TOWARD AMYLOID IMAGING IN THE RETINA? *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, 14(7), P397–P398.
<https://doi.org/10.1016/j.jalz.2018.06.297>
- Haan, J. den, Morrema, T. H. J., Brink, J. B. ten, Verbraak, F., Boer, J. de, Scheltens, P., Rozemuller, A. M., Bergen, A. A. B., Bouwman, F. H., & Hoozemans, J. J. M. (2018b). NEUROPATHOLOGICAL HALLMARKS OF ALZHEIMER'S DISEASE IN POSTMORTEM AD RETINAS. *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, 14(7), P770–P771.
<https://doi.org/10.1016/j.jalz.2018.06.940>
- Haarmann, A., Nowak, E., Deiß, A., Pol, S., Monoranu, C.-M., Kooij, G., Müller, N., Valk, P., Stoll, G., Vries, H. E., Berberich-Siebelt, F., & Buttman, M. (2015). Soluble VCAM-1 impairs human brain endothelial barrier integrity via integrin α -4-transduced outside-in signalling. *Acta Neuropathologica*, 129(5), 639–652. <https://doi.org/10.1007/s00401-015-1417-0>
- Haidar, M., Loix, M., Vanherle, S., Dierckx, T., Vanganswinkel, T., Gervois, P., Wolfs, E., Lambrichts, I., Bogie, J. F. J., & Hendriks, J. J. A. (2022). Targeting lipophagy in macrophages improves repair in

- multiple sclerosis. *Autophagy*, *18*(11), 2697–2710.
<https://doi.org/10.1080/15548627.2022.2047343>
- Hampton, D. W., Amor, S., Story, D., Torvell, M., Bsibsi, M., van Noort, J. M., & Chandran, S. (2020). HspB5 Activates a Neuroprotective Glial Cell Response in Experimental Tauopathy. *Frontiers in Neuroscience*, *14*. <https://doi.org/10.3389/fnins.2020.00574>
- Hanan, M., Simchovitz, A., Yayon, N., Vaknine, S., Cohen-Fultheim, R., Karmon, M., Madrer, N., Rohrllich, T. M., Maman, M., Bennett, E. R., Greenberg, D. S., Meshorer, E., Levanon, E. Y., Soreq, H., & Kadener, S. (2020). A Parkinson's disease CircRNAs Resource reveals a link between circSLC8A1 and oxidative stress. *EMBO Molecular Medicine*, *12*(9).
<https://doi.org/10.15252/emmm.201911942>
- Hanes, J., Kovac, A., Kvartsberg, H., Kontsekova, E., Fialova, L., Katina, S., Kovacech, B., Stevens, E., Hort, J., Vyhnaek, M., Boonkamp, L., Novak, M., Zetterberg, H., Hansson, O., Scheltens, P., Blennow, K., Teunissen, C. E., & Zilka, N. (2020). Evaluation of a novel immunoassay to detect p-tau Thr217 in the CSF to distinguish Alzheimer disease from other dementias. *Neurology*, *95*(22), e3026–e3035. <https://doi.org/10.1212/WNL.0000000000010814>
- Hanin, G., Shenhar-Tsarfaty, S., Yayon, N., Yau, Y. H., Bennett, E. R., Sklan, E. H., Rao, D. C., Rankinen, T., Bouchard, C., & Geifman-Shochat, S. (2014). Competing targets of microRNA-608 affect anxiety and hypertension. *Human Molecular Genetics*, *23*(17), 4569–4580.
- Harnisch, K., Teuber-Hanselmann, S., Macha, N., Mairinger, F., Fritsche, L., Soub, D., Meinl, E., & Junker, A. (2019). Myelination in Multiple Sclerosis Lesions Is Associated with Regulation of Bone Morphogenetic Protein 4 and Its Antagonist Noggin. *International Journal of Molecular Sciences*, *20*(1), 154. <https://doi.org/10.3390/ijms20010154>
- Harroud, A., Stridh, P., McCauley, J. L., Saarela, J., van den Bosch, A. M. R., Engelenburg, H. J., Beecham, A. H., Alfredsson, L., Alikhani, K., Amezcua, L., Andlauer, T. F. M., Ban, M., Barcellos, L. F., Barizzone, N., Berge, T., Berthele, A., Bittner, S., Bos, S. D., Briggs, F. B. S., ... MultipleMS Consortium. (2023). Locus for severity implicates CNS resilience in progression of multiple sclerosis. *Nature*, *619*(7969), Article 7969. <https://doi.org/10.1038/s41586-023-06250-x>
- Hart de Ruyter, F. J., Morrema, T. H. J., den Haan, J., Gase, G., Twisk, J. W. R., de Boer, J. F., Scheltens, P., Bouwman, F. H., Verbraak, F. D., Rozemuller, A. J. M., & Hoozemans, J. J. M. (2023). α -Synuclein pathology in post-mortem retina and optic nerve is specific for α -synucleinopathies. *Npj Parkinson's Disease*, *9*(1), Article 1. <https://doi.org/10.1038/s41531-023-00570-5>
- Hart de Ruyter, F. J., Morrema, T. H. J., den Haan, J., Netherlands Brain Bank, Twisk, J. W. R., de Boer, J. F., Scheltens, P., Boon, B. D. C., Thal, D. R., Rozemuller, A. J., Verbraak, F. D., Bouwman, F. H., & Hoozemans, J. J. M. (2023). Phosphorylated tau in the retina correlates with tau pathology in the brain in Alzheimer's disease and primary tauopathies. *Acta Neuropathologica*, *145*(2), 197–218. <https://doi.org/10.1007/s00401-022-02525-1>
- Hartl, D., Gu, W., Mayhaus, M., Pichler, S., Schöpe, J., Wagenpfeil, S., & Riemenschneider, M. (2015). Amyloid- β Protein Precursor Cleavage Products in Postmortem Ventricular Cerebrospinal Fluid of Alzheimer's Disease Patients. *Journal of Alzheimer's Disease*, *47*(2), 365–372.
- Haytural, H., Jordà-Siquier, T., Winblad, B., Mulle, C., Tjernberg, L. O., Granholm, A.-C., Frykman, S., & Barthet, G. (2021). Distinctive alteration of presynaptic proteins in the outer molecular layer of

- the dentate gyrus in Alzheimer's disease. *Brain Communications*, 3(2), fcab079. <https://doi.org/10.1093/braincomms/fcab079>
- Haytural, H., Mermelekas, G., Emre, C., Nigam, S. M., Carroll, S. L., Winblad, B., Bogdanovic, N., Barthet, G., Granholm, A.-C., Orre, L. M., Tjernberg, L. O., & Frykman, S. (2020). The Proteome of the Dentate Terminal Zone of the Perforant Path Indicates Presynaptic Impairment in Alzheimer Disease*. *Molecular & Cellular Proteomics*, 19(1), 128–141. <https://doi.org/10.1074/mcp.RA119.001737>
- Heath, L., Earls, J. C., Magis, A. T., Kornilov, S. A., Lovejoy, J. C., Funk, C. C., Rappaport, N., Logsdon, B. A., Mangravite, L. M., Kunkle, B. W., Martin, E. R., Naj, A. C., Ertekin-Taner, N., Golde, T. E., Hood, L., Price, N. D., & Alzheimer's Disease Genetics Consortium. (2021). Manifestations of genetic risk for Alzheimer's Disease in the blood: A cross-sectional multi-omic analysis in healthy adults aged 18-90+. *bioRxiv*, 2021.03.26.437267. <https://doi.org/10.1101/2021.03.26.437267>
- Heinen, C. A., Jongejan, A., Watson, P. J., Redeker, B., Boelen, A., Boudzovitch-Surovtseva, O., Forzano, F., Hordijk, R., Kelley, R., Olney, A. H., Pierpont, M. E., Schaefer, G. B., Stewart, F., Trotsenburg, A. S. P. van, Fliers, E., Schwabe, J. W. R., & Hennekam, R. C. (2016). A specific mutation in TBL1XR1 causes Pierpont syndrome. *Journal of Medical Genetics*, jmedgenet-2015-103233. <https://doi.org/10.1136/jmedgenet-2015-103233>
- Heinen, C. A., Losekoot, M., Sun, Y., Watson, P. J., Fairall, L., Joustra, S. D., Zwaveling-Soonawala, N., Oostdijk, W., Akker, V. D., T, E. L., Alders, M., Santen, G. W. E., Rijn, V., R, R., Dreschler, W. A., Surovtseva, O. V., Biermasz, N. R., Hennekam, R. C., Wit, J. M., ... Paul, A. S. (2016). Mutations in TBL1X Are Associated With Central Hypothyroidism. *The Journal of Clinical Endocrinology & Metabolism*, 101(12), 4564–4573. <https://doi.org/10.1210/jc.2016-2531>
- Heinen, C. A., Vries, E. M. de, Alders, M., Bikker, H., Zwaveling-Soonawala, N., Akker, E. L. T. van den, Bakker, B., Hoorweg-Nijman, G., Roelfsema, F., Hennekam, R. C., Boelen, A., Trotsenburg, A. S. P. van, & Fliers, E. (2018). Mutations in IRS4 are associated with central hypothyroidism. *Journal of Medical Genetics*, 55(10), 693–700. <https://doi.org/10.1136/jmedgenet-2017-105113>
- Helgadottir, H. T., Lundin, P., Wallén Arzt, E., Lindström, A.-K., Graff, C., & Eriksson, M. (2019). Somatic mutation that affects transcription factor binding upstream of CD55 in the temporal cortex of a late-onset Alzheimer disease patient. *Human Molecular Genetics*, 28(16), 2675–2685. <https://doi.org/10.1093/hmg/ddz085>
- Hendrickx, D. A. E., Koning, N., Schuurman, K. G., van Strien, M. E., van Eden, C. G., Hamann, J., & Huitinga, I. (2013). Selective Upregulation of Scavenger Receptors in and Around Demyelinating Areas in Multiple Sclerosis. *Journal of Neuropathology & Experimental Neurology*, 72(2), 106–118.
- Hendrickx, D. A. E., van Scheppingen, J., van der Poel, M., Bossers, K., Schuurman, K. G., van Eden, C. G., Hol, E. M., Hamann, J., & Huitinga, I. (2017). Gene Expression Profiling of Multiple Sclerosis Pathology Identifies Early Patterns of Demyelination Surrounding Chronic Active Lesions. *Frontiers in Immunology*, 8. <https://doi.org/10.3389/fimmu.2017.01810>
- Hendrickx, D. A., Schuurman, K. G., van Draanen, M., Hamann, J., & Huitinga, I. (2014). Enhanced uptake of multiple sclerosis-derived myelin by THP-1 macrophages and primary human microglia. *Journal of Neuroinflammation*, 11(1), 1–11.
- Hentrich, T., Wassouf, Z., Ehrhardt, C., Haas, E., Mills, J. D., Aronica, E., Outeiro, T. F., Hübener-Schmid, J., Riess, O., Casadei, N., & Schulze-Hentrich, J. M. (2020). Increased expression of myelin-

- associated genes in frontal cortex of SNCA overexpressing rats and Parkinson's disease patients. *Aging (Albany NY)*, 12(19), 18889–18906. <https://doi.org/10.18632/aging.103935>
- Hepp, D. H., Ruiters, A., Galis, Y., Voorn, P., Rozemuller, A., Berendse, H., Foncke, E., & van de Berg, W. (2013). Pedunculopontine cholinergic cell loss in hallucinating Parkinson disease patients but not in dementia with Lewy bodies patients. *Journal of Neuropathology & Experimental Neurology*, 72(12), 1162–1170.
- Hepp, D. H., Vergoossen, D. L. E., Huisman, E., Lemstra, A. W., Berendse, H. W., Rozemuller, A. J., Foncke, E. M. J., & van de Berg, W. D. J. (2016). Distribution and Load of Amyloid- β Pathology in Parkinson Disease and Dementia with Lewy Bodies. *Journal of Neuropathology & Experimental Neurology*, 75(10), 936–945. <https://doi.org/10.1093/jnen/nlw070>
- Herbert, M. K., Verbeek, M. M., Küsters, B., & Kuiperij, H. B. (2015). A multifunctional ELISA to measure oxidised proteins: oxPin1 in Alzheimer's brain as an example. *BBA Clinical*, 4, 1–6. <https://doi.org/10.1016/j.bbacli.2015.04.004>
- Hermans, D., Houben, E., Baeten, P., Slaets, H., Janssens, K., Hoeks, C., Hosseinkhani, B., Duran, G., Bormans, S., Gowing, E., Hoornaert, C., Beckers, L., Fung, W. K., Schrotten, H., Ishikawa, H., Fraussen, J., Thoelen, R., de Vries, H. E., Kooij, G., ... Broux, B. (2022). Oncostatin M triggers brain inflammation by compromising blood–brain barrier integrity. *Acta Neuropathologica*, 144(2), 259–281. <https://doi.org/10.1007/s00401-022-02445-0>
- Hermkens, D. M. A., Stam, O. C. G., de Wit, N. M., Fontijn, R. D., Jongejan, A., Moerland, P. D., Mackaaij, C., Waas, I. S. E., Daemen, M. J. A. P., & de Vries, H. E. (2019). Profiling the unique protective properties of intracranial arterial endothelial cells. *Acta Neuropathologica Communications*, 7(1), 151. <https://doi.org/10.1186/s40478-019-0805-4>
- Hernández, I. H., Cabrera, J. R., Santos-Galindo, M., Sánchez-Martín, M., Domínguez, V., García-Escudero, R., Pérez-Álvarez, M. J., Pintado, B., & Lucas, J. J. (2020). Pathogenic SREK1 decrease in Huntington's disease lowers TAF1 mimicking X-linked dystonia parkinsonism. *Brain*, 143(7), 2207–2219. <https://doi.org/10.1093/brain/awaa150>
- Hernández, I. H., Torres-Peraza, J., Santos-Galindo, M., Ramos-Morón, E., Fernández-Fernández, M. R., Pérez-Álvarez, M. J., Miranda-Vizueté, A., & Lucas, J. J. (2017). The neuroprotective transcription factor ATF5 is decreased and sequestered into polyglutamine inclusions in Huntington's disease. *Acta Neuropathologica*, 134(6), 839–850. <https://doi.org/10.1007/s00401-017-1770-2>
- Heß, K., Starost, L., Kieran, N. W., Thomas, C., Vincenten, M. C. J., Antel, J., Martino, G., Huitinga, I., Healy, L., & Kuhlmann, T. (2020). Lesion stage-dependent causes for impaired remyelination in MS. *Acta Neuropathologica*, 140(3), 359–375. <https://doi.org/10.1007/s00401-020-02189-9>
- Hessel, E. V. S., de Wit, M., Wolterink-Donselaar, I. G., Karst, H., de Graaff, E., van Lith, H. A., de Bruijn, E., de Sonnaville, S., Verbeek, N. E., Lindhout, D., de Kovel, C. G. F., Koeleman, B. P. C., van Kempen, M., Brilstra, E., Cuppen, E., Loos, M., Spijker, S. S., Kan, A. A., Baars, S. E., ... de Graan, P. N. E. (2014). Identification of Srp9 as a febrile seizure susceptibility gene. *Annals of Clinical and Translational Neurology*, 1(4), 239–250. <https://doi.org/10.1002/acn3.48>
- Hestiantoro, A., & Swaab, D. F. (2019). Neurofibrillary Pathology in the Infundibular Nucleus in Relation to Age and Abnormal Hormone Levels: *Indonesian Journal of Obstetrics and Gynecology*, 196–207. <https://doi.org/10.32771/inajog.v7i3.962>

- Hirth, M., Gandla, J., Höper, C., Gaida, M. M., Agarwal, N., Simonetti, M., Demir, A., Xie, Y., Weiss, C., Michalski, C. W., Hackert, T., Ebert, M. P., & Kuner, R. (2020). CXCL10 and CCL21 Promote Migration of Pancreatic Cancer Cells Toward Sensory Neurons and Neural Remodeling in Tumors in Mice, Associated With Pain in Patients. *Gastroenterology*, *159*(2), 665-681.e13. <https://doi.org/10.1053/j.gastro.2020.04.037>
- Hitti, F. L., & Siegelbaum, S. A. (2014). The hippocampal CA2 region is essential for social memory. *Nature*, *508*. <https://doi.org/10.1038/nature13028>
- Hoffmann, A., Ettle, B., Battis, K., Reiprich, S., Schlachetzki, J. C. M., Masliah, E., Wegner, M., Kuhlmann, T., Riemenschneider, M. J., & Winkler, J. (2019). Oligodendroglial α -synucleinopathy-driven neuroinflammation in multiple system atrophy. *Brain Pathology*, *29*(3), 380–396. <https://doi.org/10.1111/bpa.12678>
- Hogenboom, R., Kalsbeek, M. J., Korpel, N. L., de Goede, P., Koenen, M., Buijs, R. M., Romijn, J. A., Swaab, D. F., Kalsbeek, A., & Yi, C.-X. (2019). Loss of arginine vasopressin- and vasoactive intestinal polypeptide-containing neurons and glial cells in the suprachiasmatic nucleus of individuals with type 2 diabetes. *Diabetologia*, *62*(11), 2088–2093. <https://doi.org/10.1007/s00125-019-4953-7>
- Hok-A-Hin, Y. S., Dijkstra, A. A., Rábano, A., Hoozemans, J. J., Castillo, L., Seelaar, H., van Swieten, J. C., Pijnenburg, Y. A. L., Teunissen, C. E., & del Campo, M. (2022). Apolipoprotein L1 is increased in frontotemporal lobar degeneration post-mortem brain but not in ante-mortem cerebrospinal fluid. *Neurobiology of Disease*, *172*, 105813. <https://doi.org/10.1016/j.nbd.2022.105813>
- Hok-A-Hin, Y. S., Hoozemans, J. J. M., Hu, W. T., Wouters, D., Howell, J. C., Rábano, A., van der Flier, W. M., Pijnenburg, Y. A. L., Teunissen, C. E., & del Campo, M. (2022). YKL-40 changes are not detected in post-mortem brain of patients with Alzheimer's disease and frontotemporal lobar degeneration. *Alzheimer's Research & Therapy*, *14*(1), 100. <https://doi.org/10.1186/s13195-022-01039-y>
- Holler, M., Ihli, J., Tsai, E. H. R., Nudelman, F., Verezhak, M., van de Berg, W. D. J., & Shahmoradian, S. H. (2020). A lathe system for micrometre-sized cylindrical sample preparation at room and cryogenic temperatures. *Journal of Synchrotron Radiation*, *27*(Pt 2), 472–476. <https://doi.org/10.1107/S1600577519017028>
- Holst, M. R., de Wit, N. M., Ozgür, B., Brachner, A., Hyldig, K., Appelt-Menzel, A., Sleven, H., Cader, Z., de Vries, H. E., Neuhaus, W., Jensen, A., Brodin, B., & Nielsen, M. S. (2023). Subcellular trafficking and transcytosis efficacy of different receptor types for therapeutic antibody delivery at the blood–brain barrier. *Fluids and Barriers of the CNS*, *20*(1), 82. <https://doi.org/10.1186/s12987-023-00480-x>
- Holstege, H., Beker, N., Dijkstra, T., Pieterse, K., Wemmenhove, E., Schouten, K., Thiessens, L., Horsten, D., Rechthijt, S., Sikkes, S., van Poppel, F. W. A., Meijers-Heijboer, H., Hulsman, M., & Scheltens, P. (2018). The 100-plus Study of cognitively healthy centenarians: Rationale, design and cohort description. *European Journal of Epidemiology*, *33*(12), 1229–1249. <https://doi.org/10.1007/s10654-018-0451-3>
- Holtman Inge R., Bsibsi Malika, Gerritsen Wouter H., Boddeke Hendrikus W. G. M., Eggen Bart J. L., van der Valk Paul, Kipp Markus, van Noort Johannes M., & Amor Sandra. (2017). Identification of highly connected hub genes in the protective response program of human macrophages and microglia activated by alpha B-crystallin. *Glia*, *65*(3), 460–473. <https://doi.org/10.1002/glia.23104>

- Holton, P., Ryten, M., Nalls, M., Trabzuni, D., Weale, M. E., Hernandez, D., Crehan, H., Gibbs, J. R., Mayeux, R., Haines, J. L., Farrer, L. A., Pericak-Vance, M. A., Schellenberg, G. D., The Alzheimer's Disease Genetics Consortium, Ramirez-Restrepo, M., Engel, A., Myers, A. J., Corneveaux, J. J., Huentelman, M. J., ... Guerreiro, R. (2013). Initial Assessment of the Pathogenic Mechanisms of the Recently Identified Alzheimer Risk Loci. *Annals of Human Genetics*, *77*(2), 85–105. <https://doi.org/10.1111/ahg.12000>
- Hon, C.-C., Ramilowski, J. A., Harshbarger, J., Bertin, N., Rackham, O. J. L., Gough, J., Denisenko, E., Schmeier, S., Poulsen, T. M., Severin, J., Lizio, M., Kawaji, H., Kasukawa, T., Itoh, M., Burroughs, A. M., Noma, S., Djebali, S., Alam, T., Medvedeva, Y. A., ... Forrest, A. R. R. (2017). An atlas of human long non-coding RNAs with accurate 5' ends. *Nature*, *543*(7644), 199–204. <https://doi.org/10.1038/nature21374>
- Hondius, D. C., Eigenhuis, K. N., Morrema, T. H. J., van der Schors, R. C., van Nierop, P., Bugiani, M., Li, K. W., Hoozemans, J. J. M., Smit, A. B., & Rozemuller, A. J. M. (2018). Proteomics analysis identifies new markers associated with capillary cerebral amyloid angiopathy in Alzheimer's disease. *Acta Neuropathologica Communications*, *6*(1), 46. <https://doi.org/10.1186/s40478-018-0540-2>
- Hondius, D. C., Koopmans, F., Leistner, C., Pita-Illobre, D., Peferoen-Baert, R. M., Marbus, F., Paliukhovich, I., Li, K. W., Rozemuller, A. J. M., Hoozemans, J. J. M., & Smit, A. B. (2021). The proteome of granulovacuolar degeneration and neurofibrillary tangles in Alzheimer's disease. *Acta Neuropathologica*, *141*(3), 341–358. <https://doi.org/10.1007/s00401-020-02261-4>
- Hondius, D. C., van Nierop, P., Li, K. W., Hoozemans, J. J. M., van der Schors, R. C., van Haastert, E. S., van der Vies, S. M., Rozemuller, A. J. M., & Smit, A. B. (2016). Profiling the human hippocampal proteome at all pathologic stages of Alzheimer's disease. *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, *12*(6), 654–668. <https://doi.org/10.1016/j.jalz.2015.11.002>
- Hoozemans, J. J., van Haastert, E. S., Mulder, S. D., Nielsen, H. M., Veerhuis, R., Ruijtenbeek, R., Rozemuller, A. J., Hilhorst, R., & van der Vies, S. M. (2014). Increased IRAK-4 Kinase Activity in Alzheimer's Disease; IRAK-1/4 Inhibitor I Prevents Pro-inflammatory Cytokine Secretion but not the Uptake of Amyloid Beta by Primary Human Glia. *Journal of Clinical & Cellular Immunology*, *2014*.
- Hsiao, C.-C., Engelenburg, H. J., Jongejan, A., Zhu, J., Zhang, B., Mingueneau, M., Moerland, P. D., Huitinga, I., Smolders, J., & Hamann, J. (2023). Osteopontin associates with brain TRM-cell transcriptome and compartmentalization in donors with and without multiple sclerosis. *iScience*, *26*(1), 105785. <https://doi.org/10.1016/j.isci.2022.105785>
- Hu, H. Y., He, L., & Khaitovich, P. (2014). Deep sequencing reveals a novel class of bidirectional promoters associated with neuronal genes. *BMC Genomics*, *15*(1), 1–16. <https://doi.org/10.1186/1471-2164-15-457>
- Hu, S.-H., Li, H., Yu, H., Liu, Y., Liu, C.-X., Zuo, X., Lu, J., Jiang, J.-J., Xi, C.-X., Huang, B.-C., Xu, H.-J., Hu, J.-B., Lai, J.-B., Huang, M.-L., Liu, J.-N., Xu, D.-G., Guo, X.-C., Wu, W., Wu, X., ... Xu, Y. (2021). Discovery of new genetic loci for male sexual orientation in Han population. *Cell Discovery*, *7*(1), 1–14. <https://doi.org/10.1038/s41421-021-00341-7>
- Hu, Y.-T., Boonstra, J., McGurran, H., Stormmesand, J., Sluiter, A., Balesar, R., Verwer, R., Swaab, D., & Bao, A.-M. (2021). Sex differences in the neuropathological hallmarks of Alzheimer's disease: Focus on cognitively intact elderly individuals. *Neuropathology and Applied Neurobiology*, *47*(7), 958–966. <https://doi.org/10.1111/nan.12729>

- Hu, Y.-T., Chen, X.-L., Huang, S.-H., Zhu, Q.-B., Yu, S.-Y., Shen, Y., Sluiter, A., Verhaagen, J., Zhao, J., Swaab, D., & Bao, A.-M. (2019). Early growth response-1 regulates acetylcholinesterase and its relation with the course of Alzheimer's disease. *Brain Pathology*, *29*(4), 502–512. <https://doi.org/10.1111/bpa.12688>
- Huang, Y., Skwarek-Maruszewska, A., Horr , K., Vandewyer, E., Wolfs, L., Snellinx, A., Saito, T., Radaelli, E., Corthout, N., Colombelli, J., Lo, A. C., Aerschot, L. V., Callaerts-Vegh, Z., Trabzuni, D., Bossers, K., Verhaagen, J., Ryten, M., Munck, S., D'Hooge, R., ... Thathiah, A. (2015). Loss of GPR3 reduces the amyloid plaque burden and improves memory in Alzheimer's disease mouse models. *Science Translational Medicine*, *7*(309), 309ra164-309ra164. <https://doi.org/10.1126/scitranslmed.aab3492>
- Huang, Z.-H., Ni, R.-J., Luo, P.-H., & Zhou, J.-N. (2020). Distribution of tyrosine-hydroxylase-immunoreactive neurons in the hypothalamus of tree shrews. *Journal of Comparative Neurology*, *528*(6), 935–952. <https://doi.org/10.1002/cne.24803>
- Huiskamp, M., Kiljan, S., Kulik, S., Witte, M. E., Jonkman, L. E., GJM Bol, J., Schenk, G. J., Hulst, H. E., Tewarie, P., Schoonheim, M. M., & Geurts, J. J. (2022). Inhibitory synaptic loss drives network changes in multiple sclerosis: An ex vivo to in silico translational study. *Multiple Sclerosis Journal*, *28*(13), 2010–2019. <https://doi.org/10.1177/13524585221125381>
- Huitema, M. J. D., Strijbis, E. M. M., Luchicchi, A., Bol, J. G. J. M., Plemel, J. R., Geurts, J. J. G., & Schenk, G. J. (2021). Myelin Quantification in White Matter Pathology of Progressive Multiple Sclerosis Post-Mortem Brain Samples: A New Approach for Quantifying Remyelination. *International Journal of Molecular Sciences*, *22*(23), Article 23. <https://doi.org/10.3390/ijms222312634>
- Huitinga, I., Michailidou, I., van Strien, M., van Eden, C., Fluiter, K., Neal, J., Giles, J., Morgan, P., Baas, F., & Ramaglia, V. (2014). *Identification of a key role for complement in neurodegeneration in multiple sclerosis*. *20*, 316–317.
- Huitinga, I., & Webster, M. J. (Eds.). (2018). *Handbook of Clinical Neurology: Brain Banking* (Vol. 150). Elsevier. <https://www.elsevier.com/books/brain-banking/huitinga/978-0-444-63639-3>
- Humphrey, J., Brophy, E., Kosoy, R., Zeng, B., Coccia, E., Mattei, D., Ravi, A., Efthymiou, A. G., Navarro, E., Muller, B. Z., Snijders, G. J., Allan, A., M nch, A., Kitata, R. B., Kleopoulos, S. P., Argyriou, S., Shao, Z., Francoeur, N., Tsai, C.-F., ... Raj, T. (2023). *Long-read RNA-seq atlas of novel microglia isoforms elucidates disease-associated genetic regulation of splicing* (p. 2023.12.01.23299073). medRxiv. <https://doi.org/10.1101/2023.12.01.23299073>
- H ttenrauch, M., Ogorek, I., Klafki, H., Otto, M., Stadelmann, C., Weggen, S., Wiltfang, J., & Wirths, O. (2018). Glycoprotein NMB: A novel Alzheimer's disease associated marker expressed in a subset of activated microglia. *Acta Neuropathologica Communications*, *6*(1), 108. <https://doi.org/10.1186/s40478-018-0612-3>
- Illarregui, J. M., Kooij, G., Rodr guez, E., van der Pol, S. M. A., Koning, N., Kalay, H., van der Horst, J. C., van Vliet, S. J., Garc a-Vallejo, J. J., de Vries, H. E., & van Kooyk, Y. (2019). Macrophage galactose-type lectin (MGL) is induced on M2 microglia and participates in the resolution phase of autoimmune neuroinflammation. *Journal of Neuroinflammation*, *16*(1), 130. <https://doi.org/10.1186/s12974-019-1522-4>

- Ishunina, T. (2015). Sizes of neuronal nuclei and pericarya in the nucleus basalis of Meynert and the posterior hypothalamus in different age groups. *Advances in Gerontology*, 5(2), 117–120.
- Ishunina, T. A., Bogolepova, I. N., & Swaab, D. F. (2019). Increased Neuronal Nuclear and Perikaryal Size in the Medial Mamillary Nucleus of Vascular Dementia and Alzheimer's Disease Patients: Relation to Nuclear Estrogen Receptor α . *Dementia and Geriatric Cognitive Disorders*, 47(4–6), 274–280. <https://doi.org/10.1159/000500244>
- Ishunina, T. A., & Swaab, D. F. (2021). Estrogen receptor α splice variant TADD1 in the human supraoptic nucleus: An effect on neuronal size and changes in pneumonia. *Neuro Endocrinology Letters*, 42(2), 128–132.
- Iulita, M. F., & Cuello, A. C. (2014). Nerve growth factor metabolic dysfunction in Alzheimer's disease and Down syndrome. *Trends in Pharmacological Sciences*, 35(7), 338–348. <https://doi.org/10.1016/j.tips.2014.04.010>
- Iyer, A. M., van Scheppingen, J., Milenkovic, I., Anink, J. J., Adle-Biassette, H., Kovacs, G. G., & Aronica, E. (2014). mTOR Hyperactivation in down syndrome hippocampus appears early during development. *Journal of Neuropathology & Experimental Neurology*, 73(7), 671–683.
- Iyer, A., van Scheppingen, J., Anink, J., Milenkovic, I., Kovács, G. G., & Aronica, E. (2013). Developmental patterns of DR6 in normal human hippocampus and in Down syndrome. *J. Neurodev. Disord*, 5(10).
- Iyer, A., van Scheppingen, J., Milenkovic, I., Anink, J., Lim, D., Genazzani, A., Adle-Biassette, H., G Kovacs, G., & Aronica, E. (2014). Metabotropic Glutamate Receptor 5 in Down's Syndrome Hippocampus During Development: Increased Expression in Astrocytes. *Current Alzheimer Research*, 11(7), 694–705.
- Jahanbazi Jahan-Abad, A., Salapa, H. E., Libner, C. D., Thibault, P. A., & Levin, M. C. (2023). hnRNP A1 dysfunction in oligodendrocytes contributes to the pathogenesis of multiple sclerosis. *Glia*, 71(3), 633–647. <https://doi.org/10.1002/glia.24300>
- Jäkel, L., Kuiperij, H. B., Gerding, L. P., Custers, E. E. M., van den Berg, E., Jolink, W. M. T., Schreuder, F. H. B. M., Küsters, B., Klijn, C. J. M., & Verbeek, M. M. (2020). Disturbed balance in the expression of MMP9 and TIMP3 in cerebral amyloid angiopathy-related intracerebral haemorrhage. *Acta Neuropathologica Communications*, 8. <https://doi.org/10.1186/s40478-020-00972-z>
- Jang, Y.-N., Jang, H., Kim, G. H., Noh, J.-E., Chang, K.-A., & Lee, K. J. (2020). RAPGEF2 mediates oligomeric A β -induced synaptic loss and cognitive dysfunction in the 3xTg-AD mouse model of Alzheimer's disease. *Neuropathology and Applied Neurobiology*, n/a(n/a). <https://doi.org/10.1111/nan.12686>
- Jang, Y.-N., Jang, H., Kim, G. H., Noh, J.-E., Chang, K.-A., & Lee, K. J. (2021). RAPGEF2 mediates oligomeric A β -induced synaptic loss and cognitive dysfunction in the 3xTg-AD mouse model of Alzheimer's disease. *Neuropathology and Applied Neurobiology*, 47(5), 625–639. <https://doi.org/10.1111/nan.12686>
- Janssen, B., Vugts, D. J., Wilkinson, S. M., Ory, D., Chalon, S., Hoozemans, J. J. M., Schuit, R. C., Beaino, W., Kooijman, E. J. M., Hoek, J. van den, Chishty, M., Doméné, A., Perren, A. V. der, Villa, A., Maggi, A., Molenaar, G. T., Funke, U., Shevchenko, R. V., Baekelandt, V., ... Windhorst, A. D.

- (2018). Identification of the allosteric P2X 7 receptor antagonist [11 C]SMW139 as a PET tracer of microglial activation. *Scientific Reports*, 8(1), 1–10. <https://doi.org/10.1038/s41598-018-24814-0>
- Janssen, S. F., Gorgels, T. G., Ten Brink, J. B., Jansonius, N. M., & Bergen, A. A. (2014). Gene expression-based comparison of the human secretory neuroepithelia of the brain choroid plexus and the ocular ciliary body: Potential implications for glaucoma. *Fluids Barriers CNS*, 11(2).
- Janssen, S. F., van der Spek, S. J., Jacoline, B., Essing, A. H., Gorgels, T. G., van der Spek, P. J., Jansonius, N. M., & Bergen, A. A. (2013). Gene expression and functional annotation of the human and mouse choroid plexus epithelium. *PLoS One*, 8(12), e83345.
- Janssens, K., Van den Haute, C., Baekelandt, V., Lucas, S., Van Horsen, J., Somers, V., Van Wijmeersch, B., Stinissen, P., Hendriks, J. J., & Slaets, H. (2015). Leukemia inhibitory factor tips the immune balance towards regulatory T cells in multiple sclerosis. *Brain, Behavior, and Immunity*, 45, 180–188.
- Jensen, M. M., Arvaniti, M., Mikkelsen, J. D., Michalski, D., Pinborg, L. H., Härtig, W., & Thomsen, M. S. (2015). Prostate stem cell antigen interacts with nicotinic acetylcholine receptors and is affected in Alzheimer's disease—ScienceDirect. *Neurobiology of Aging*, 36(4), 1629–1638. <https://doi.org/10.1016/j.neurobiolaging.2015.01.001>
- Jeon, G. S., Shim, Y.-M., Lee, D.-Y., Kim, J.-S., Kang, M., Ahn, S. H., Shin, J.-Y., Geum, D., Hong, Y. H., & Sung, J.-J. (2019). Pathological Modification of TDP-43 in Amyotrophic Lateral Sclerosis with SOD1 Mutations. *Molecular Neurobiology*, 56(3), 2007–2021. <https://doi.org/10.1007/s12035-018-1218-2>
- Jia, T., Ma, Y., Qin, F., Han, F., & Zhang, C. (2023). Brain proteome-wide association study linking-genes in multiple sclerosis pathogenesis. *Annals of Clinical and Translational Neurology*, 10(1), 58–69. <https://doi.org/10.1002/acn3.51699>
- Jiang, R., Shimozawa, M., Mayer, J., Tambaro, S., Kumar, R., Abelein, A., Winblad, B., Bogdanovic, N., & Nilsson, P. (2022). Autophagy Impairment in App Knock-in Alzheimer's Model Mice. *Frontiers in Aging Neuroscience*, 14, 878303. <https://doi.org/10.3389/fnagi.2022.878303>
- Johannesson, M., Sahlin, C., Söderberg, L., Basun, H., Fälting, J., Möller, C., Zachrisson, O., Sunnemark, D., Svensson, A., Odergren, T., & Lannfelt, L. (2021). Elevated soluble amyloid beta protofibrils in Down syndrome and Alzheimer's disease. *Molecular and Cellular Neuroscience*, 114, 103641. <https://doi.org/10.1016/j.mcn.2021.103641>
- Jolink, W. M. T., van Veluw, S. J., Zwanenburg, J. J. M., Rozemuller, A. J. M., van Hecke, W., Frosch, M. P., Bacskai, B. J., Rinkel, G. J. E., Greenberg, S. M., & Klijn, C. J. M. (2022). Histopathology of Cerebral Microinfarcts and Microbleeds in Spontaneous Intracerebral Hemorrhage. *Translational Stroke Research*. <https://doi.org/10.1007/s12975-022-01016-5>
- Jolink, W. M. T., van Veluw, S. J., Zwanenburg, J. J. M., Rozemuller, A. J. M., van Hecke, W., Frosch, M. P., Bacskai, B. J., Rinkel, G. J. E., Greenberg, S. M., & Klijn, C. J. M. (2023). Histopathology of Cerebral Microinfarcts and Microbleeds in Spontaneous Intracerebral Hemorrhage. *Translational Stroke Research*, 14(2), 174–184. <https://doi.org/10.1007/s12975-022-01016-5>
- Jones, E. L., Mok, K., Hanney, M., Harold, D., Sims, R., Williams, J., & Ballard, C. (2013). Evidence that PICALM affects age at onset of Alzheimer's dementia in Down syndrome. *Neurobiology of Aging*, 34(10), 2441-e1.

- Jonkman, L. E., Fleysher, L., Steenwijk, M. D., Koeleman, J. A., de Snoo, T.-P., Barkhof, F., Inglesse, M., & Geurts, J. J. (2015). Ultra-high field MTR and qR2* differentiates subpial cortical lesions from normal-appearing gray matter in multiple sclerosis. *Multiple Sclerosis Journal*. <https://doi.org/10.1177/1352458515620499>
- Jonkman, L. E., Klaver, R., Fleysher, L., Inglesse, M., & Geurts, J. J. G. (2015). Ultra-High-Field MRI Visualization of Cortical Multiple Sclerosis Lesions with T2 and T2*: A Postmortem MRI and Histopathology Study. *American Journal of Neuroradiology*, *36*(11), 2062–2067. <https://doi.org/10.3174/ajnr.A4418>
- Jonkman, L. E., Klaver, R., Fleysher, L., Inglesse, M., & Geurts, J. J. G. (2016). The substrate of increased cortical FA in MS: A 7T post-mortem MRI and histopathology study. *Multiple Sclerosis Journal* - Laura E Jonkman, Roel Klaver, Lazar Fleysher, Matilde Inglesse, Jeroen JG Geurts, 2016. *Multiple Sclerosis Journal*, *22*(14), 1804–1811. <https://doi.org/10.1177/1352458516635290>
- Jonkman, L. E., Soriano, A. L., Amor, S., Barkhof, F., van der Valk, P., Vrenken, H., & Geurts, J. J. G. (2015). Can MS lesion stages be distinguished with MRI? A postmortem MRI and histopathology study. *Journal of Neurology*, *262*(4), 1074–1080. <https://doi.org/10.1007/s00415-015-7689-4>
- Jordà-Siquier, T., Petrel, M., Kouskoff, V., Smailovic, U., Cordelières, F., Frykman, S., Müller, U., Mülle, C., & Barthet, G. (2022). APP accumulates with presynaptic proteins around amyloid plaques: A role for presynaptic mechanisms in Alzheimer's disease? *Alzheimer's & Dementia*, *18*(11), 2099–2116. <https://doi.org/10.1002/alz.12546>
- Jörg, M., Plehn, J. E., Kristen, M., Lander, M., Walz, L., Lietz, C., Wijns, J., Pichot, F., Rojas-Charry, L., Martin, K. M. W., Ruffini, N., Kreim, N., Gerber, S., Motorin, Y., Endres, K., Rossmanith, W., Methner, A., Helm, M., & Friedland, K. (2023). *N1-methylation of adenosine (m1A) in ND5 mRNA leads to complex I dysfunction in Alzheimer's disease* (p. 2023.10.31.564907). bioRxiv. <https://doi.org/10.1101/2023.10.31.564907>
- Jorge-Oliva, M., Smits, J. F. M., Wiersma, V. I., Hoozemans, J. J. M., & Scheper, W. (2022). Granulovacuolar degeneration bodies are independently induced by tau and α -synuclein pathology. *Alzheimer's Research & Therapy*, *14*(1), 187. <https://doi.org/10.1186/s13195-022-01128-y>
- Jun, G., Ibrahim-Verbaas, C. A., Vronskaya, M., Lambert, J.-C., Chung, J., Naj, A. C., Kunkle, B. W., Wang, L.-S., Bis, J. C., Bellenguez, C., Harold, D., Lunetta, K. L., Destefano, A. L., Grenier-Boley, B., Sims, R., Beecham, G. W., Smith, A. V., Chouraki, V., Hamilton-Nelson, K. L., ... Farrer, L. A. (2016). A novel Alzheimer disease locus located near the gene encoding tau protein. *Mol Psychiatry*, *21*(1), 108–117.
- Jun, G. R., Chung, J., Mez, J., Barber, R., Beecham, G. W., Bennett, D. A., Buxbaum, J. D., Byrd, G. S., Carrasquillo, M. M., Crane, P. K., Cruchaga, C., De Jager, P., Ertekin-Taner, N., Evans, D., Fallin, M. D., Foroud, T. M., Friedland, R. P., Goate, A. M., Graff-Radford, N. R., ... Farrer, L. A. (2017). Transethnic genome-wide scan identifies novel Alzheimer's disease loci. *Alzheimer's & Dementia*, *13*(7), 727–738. <https://doi.org/10.1016/j.jalz.2016.12.012>
- Jun, G. R., You, Y., Zhu, C., Meng, G., Chung, J., Panitch, R., Hu, J., Xia, W., Consortium, T. A. D. G., Bennett, D. A., Foroud, T. M., Wang, L.-S., Haines, J. L., Mayeux, R., Pericak-Vance, M. A., Schellenberg, G. D., Au, R., Lunetta, K. L., Ikezu, T., ... Farrer, L. A. (2022). Protein phosphatase 2A and complement component 4 are linked to the protective effect of APOE ϵ 2 for Alzheimer's disease. *Alzheimer's & Dementia*, *18*(11), 2042–2054. <https://doi.org/10.1002/alz.12607>

- Kaddatz, H., Joost, S., Nedelcu, J., Chrzanowski, U., Schmitz, C., Gingele, S., Gudi, V., Stangel, M., Zhan, J., Santrau, E., Greiner, T., Frenz, J., Müller-Hilke, B., Müller, M., Amor, S., van der Valk, P., & Kipp, M. (2021). Cuprizone-induced demyelination triggers a CD8-pronounced T cell recruitment. *Glia*, *69*(4), 925–942. <https://doi.org/10.1002/glia.23937>
- Kalsbeek, M. J. T., Wolff, S. E. C., Korpel, N. L., Fleur, S. E. la, Romijn, J. A., Fliers, E., Kalsbeek, A., Swaab, D. F., Huitinga, I., Hol, E. M., & Yi, C.-X. (2020). The impact of antidiabetic treatment on human hypothalamic infundibular neurons and microglia. *JCI Insight*, *5*(16). <https://doi.org/10.1172/jci.insight.133868>
- Kamar, S., Howlett, M. H. C., Klooster, J., de Graaff, W., Csikós, T., Rabelink, M. J. W. E., Hoeben, R. C., & Kamermans, M. (2020). Degenerated Cones in Cultured Human Retinas Can Successfully Be Optogenetically Reactivated. *International Journal of Molecular Sciences*, *21*(2). <https://doi.org/10.3390/ijms21020522>
- Kamermans, A., Planting, K. E., Jalink, K., Horsen, J. van, & Vries, H. E. de. (2019). Reactive astrocytes in multiple sclerosis impair neuronal outgrowth through TRPM7-mediated chondroitin sulfate proteoglycan production. *Glia*, *67*(1), 68–77. <https://doi.org/10.1002/glia.23526>
- Kamermans, A., Rijnsburger, M., Chakraborty, A., van der Pol, S., de Vries, H. E., & van Horsen, J. (2019). Reduced Angiopoietin-Like 4 Expression in Multiple Sclerosis Lesions Facilitates Lipid Uptake by Phagocytes via Modulation of Lipoprotein-Lipase Activity. *Frontiers in Immunology*, *10*. <https://doi.org/10.3389/fimmu.2019.00950>
- Kamermans, A., Verhoeven, T., van het Hof, B., Koning, J. J., Borghuis, L., Witte, M., van Horsen, J., de Vries, H. E., & Rijnsburger, M. (2019). Setmelanotide, a Novel, Selective Melanocortin Receptor-4 Agonist Exerts Anti-inflammatory Actions in Astrocytes and Promotes an Anti-inflammatory Macrophage Phenotype. *Frontiers in Immunology*, *10*. <https://doi.org/10.3389/fimmu.2019.02312>
- Kamphuis, W., Kooijman, L., Orre, M., Stassen, O., Pekny, M., & Hol, E. M. (2015). GFAP and vimentin deficiency alters gene expression in astrocytes and microglia in wild-type mice and changes the transcriptional response of reactive glia in mouse model for Alzheimer's disease. *Glia*, *63*(6), 1036–1056. <https://doi.org/10.1002/glia.22800>
- Kamphuis, W., Middeldorp, J., Kooijman, L., Sluijs, J. A., Kooi, E.-J., Moeton, M., Freriks, M., Mizee, M. R., & Hol, E. M. (2014). Glial fibrillary acidic protein isoform expression in plaque related astrogliosis in Alzheimer's disease. *Neurobiology of Aging*, *35*(3), 492–510.
- Kana, V., Desland, F. A., Casanova-Acebes, M., Ayata, P., Badimon, A., Nabel, E., Yamamuro, K., Sneeboer, M., Tan, I.-L., Flanigan, M. E., Rose, S. A., Chang, C., Leader, A., Bouris, H. L., Sweet, E., Tung, N., Wroblewska, A., Lavin, Y., See, P., ... Merad, M. (2019). Disruption of the CSF-1-CSF-1R axis alters cerebellar microglia and is associated with motor and social interaction defects. *bioRxiv*, 639526. <https://doi.org/10.1101/639526>
- Kana, V., Desland, F. A., Casanova-Acebes, M., Ayata, P., Badimon, A., Nabel, E., Yamamuro, K., Sneeboer, M., Tan, I.-L., Flanigan, M. E., Rose, S. A., Chang, C., Leader, A., Le Bourhis, H., Sweet, E. S., Tung, N., Wroblewska, A., Lavin, Y., See, P., ... Merad, M. (2019). CSF-1 controls cerebellar microglia and is required for motor function and social interaction. *Journal of Experimental Medicine*, *216*(10), 2265–2281. <https://doi.org/10.1084/jem.20182037>

- Kannan, P., Schain, M., Kretschmar, W. W., Weidner, L., Mitsios, N., Gulyás, B., Blom, H., Gottesman, M. M., Innis, R. B., Hall, M. D., & Mulder, J. (2017). An automated method measures variability in P-glycoprotein and ABCG2 densities across brain regions and brain matter. *Journal of Cerebral Blood Flow & Metabolism*, 37(6), 2062–2075. <https://doi.org/10.1177/0271678X16660984>
- Kapell, H., Fazio, L., Dyckow, J., Schwarz, S., Cruz-Herranz, A., Mayer, C., Campos, J., D'Este, E., Möbius, W., Cordano, C., Pröbstel, A.-K., Gharagozloo, M., Zulji, A., Naik, V. N., Delank, A., Cerina, M., Müntefering, T., Lerma-Martin, C., Sonner, J. K., ... Schirmer, L. (2023). Neuron-oligodendrocyte potassium shuttling at nodes of Ranvier protects against inflammatory demyelination. *The Journal of Clinical Investigation*, 133(7). <https://doi.org/10.1172/JCI164223>
- Karlsen, A. S., Korbo, S., Uylings, H. B. M., & Pakkenberg, B. (2014). A stereological study of the mediodorsal thalamic nucleus in Down syndrome. *Neuroscience*, 279, 253–259. <https://doi.org/10.1016/j.neuroscience.2014.08.046>
- Kass, B., Schemmert, S., Zafiu, C., Pils, M., Bannach, O., Kutzsche, J., Bujnicki, T., & Willbold, D. (2022). Aβ oligomer concentration in mouse and human brain and its drug-induced reduction ex vivo. *Cell Reports Medicine*, 3(5), 100630. <https://doi.org/10.1016/j.xcrm.2022.100630>
- Kaut, O., Kuchelmeister, K., Moehl, C., & Wüllner, U. (2019). 5-methylcytosine and 5-hydroxymethylcytosine in brains of patients with multiple system atrophy and patients with Parkinson's disease. *Journal of Chemical Neuroanatomy*, 96, 41–48. <https://doi.org/10.1016/j.jchemneu.2018.12.005>
- Kaut, O., Schmitt, I., Hofmann, A., Hoffmann, P., Schlaepfer, T. E., Wüllner, U., & Hurlemann, R. (2015). Aberrant NMDA receptor DNA methylation detected by epigenome-wide analysis of hippocampus and prefrontal cortex in major depression. *European Archives of Psychiatry and Clinical Neuroscience*, 265(4), 331–341. <https://doi.org/10.1007/s00406-014-0572-y>
- Kempermann, G., Gage, F. H., Aigner, L., Song, H., Curtis, M. A., Thuret, S., Kuhn, H. G., Jessberger, S., Frankland, P. W., Cameron, H. A., Gould, E., Hen, R., Abrous, D. N., Toni, N., Schinder, A. F., Zhao, X., Lucassen, P. J., & Frisén, J. (2018). Human Adult Neurogenesis: Evidence and Remaining Questions. *Cell Stem Cell*, 23(1), 25–30. <https://doi.org/10.1016/j.stem.2018.04.004>
- Kenkhuis, B., Jonkman, L. E., Bulk, M., Buijs, M., Boon, B. D. C., Bouwman, F. H., Geurts, J. J. G., van de Berg, W. D. J., & van der Weerd, L. (2019). 7T MRI allows detection of disturbed cortical lamination of the medial temporal lobe in patients with Alzheimer's disease. *NeuroImage: Clinical*, 21, 101665. <https://doi.org/10.1016/j.nicl.2019.101665>
- Kenkhuis, B., Somarakis, A., de Haan, L., Dzyubachyk, O., IJsselsteijn, M. E., de Miranda, N. F. C. C., Lelieveldt, B. P. F., Dijkstra, J., van Roon-Mom, W. M. C., Höllt, T., & van der Weerd, L. (2021). Iron loading is a prominent feature of activated microglia in Alzheimer's disease patients. *Acta Neuropathologica Communications*, 9(1), 27. <https://doi.org/10.1186/s40478-021-01126-5>
- Kenkhuis, B., Somarakis, A., Kleindouwel, L. R. T., van Roon-Mom, W. M. C., Höllt, T., & van der Weerd, L. (2022). Co-expression patterns of microglia markers Iba1, TMEM119 and P2RY12 in Alzheimer's disease. *Neurobiology of Disease*, 167, 105684. <https://doi.org/10.1016/j.nbd.2022.105684>
- Kenkhuis, B., Somarakis, A., Kleindouwel, L. R., van Roon-Mom, W. M., Höllt, T., & van der Weerd, L. (2021). Co-expression patterns of microglia markers Iba1, TMEM119 and P2RY12 in Alzheimer's disease. *bioRxiv*, 2021.05.31.446375. <https://doi.org/10.1101/2021.05.31.446375>

- Keo, A., Mahfouz, A., Ingrassia, A. M. T., Meneboo, J.-P., Villenet, C., Mutez, E., Comptdaer, T., Lelieveldt, B. P. F., Figeac, M., Chartier-Harlin, M.-C., Berg, W. D. J. van de, Hilten, J. J. van, & Reinders, M. J. T. (2019). Transcriptomic signatures of brain regional vulnerability to Parkinson's disease. *bioRxiv*, 664771. <https://doi.org/10.1101/664771>
- Keo, A., Mahfouz, A., Ingrassia, A. M. T., Meneboo, J.-P., Villenet, C., Mutez, E., Comptdaer, T., Lelieveldt, B. P. F., Figeac, M., Chartier-Harlin, M.-C., van de Berg, W. D. J., van Hilten, J. J., & Reinders, M. J. T. (2020). Transcriptomic signatures of brain regional vulnerability to Parkinson's disease. *Communications Biology*, 3. <https://doi.org/10.1038/s42003-020-0804-9>
- Kessler, W., Thomas, C., & Kuhlmann, T. (2023). Microglia activation in periplaque white matter in multiple sclerosis depends on age and lesion type, but does not correlate with oligodendroglial loss. *Acta Neuropathologica*, 146(6), 817–828. <https://doi.org/10.1007/s00401-023-02645-2>
- Khermesh, K., D'Erchia, A. M., Barak, M., Annese, A., Wachtel, C., Levanon, E. Y., Picardi, E., & Eisenberg, E. (2016). Reduced levels of protein recoding by A-to-I RNA editing in Alzheimer's disease. *RNA*, 22(2), 290–302. <https://doi.org/10.1261/rna.054627.115>
- Kiljan, S., Meijer, K. A., Steenwijk, M. D., Pouwels, P. J. W., Schoonheim, M. M., Schenk, G. J., Geurts, J. J. G., & Douw, L. (2019). Structural network topology relates to tissue properties in multiple sclerosis. *Journal of Neurology*, 266(1), 212–222. <https://doi.org/10.1007/s00415-018-9130-2>
- Kiljan, S., Preziosa, P., Jonkman, L. E., van de Berg, W. D., Twisk, J., Pouwels, P. J., Schenk, G. J., Rocca, M. A., Filippi, M., Geurts, J. J., & Steenwijk, M. D. (2020). Cortical axonal loss is associated with both gray matter demyelination and white matter tract pathology in progressive multiple sclerosis: Evidence from a combined MRI-histopathology study. *Multiple Sclerosis Journal*, 1352458520918978. <https://doi.org/10.1177/1352458520918978>
- Kiljan, S., Preziosa, P., Jonkman, L. E., van de Berg, W. D., Twisk, J., Pouwels, P. J., Schenk, G. J., Rocca, M. A., Filippi, M., Geurts, J. J., & Steenwijk, M. D. (2021). Cortical axonal loss is associated with both gray matter demyelination and white matter tract pathology in progressive multiple sclerosis: Evidence from a combined MRI-histopathology study. *Multiple Sclerosis Journal*, 27(3), 380–390. <https://doi.org/10.1177/1352458520918978>
- Kiljan, S., Prins, M., Baselmans, B. M., Bol, J. G. J. M., Schenk, G. J., & van Dam, A.-M. (2019). Enhanced GABAergic Immunoreactivity in Hippocampal Neurons and Astroglia of Multiple Sclerosis Patients. *Journal of Neuropathology & Experimental Neurology*, 78(6), 480–491. <https://doi.org/10.1093/jnen/nlz028>
- Kilsdonk, I. D., Jonkman, L. E., Klaver, R., Veluw, V., J. S., Zwanenburg, J. J. M., Kuijjer, J. P. A., Pouwels, P. J. W., Twisk, J. W. R., Wattjes, M. P., Luijten, P. R., Barkhof, F., & Geurts, J. J. G. (2016). Increased cortical grey matter lesion detection in multiple sclerosis with 7 T MRI: A post-mortem verification study. *Brain*, 139(5), 1472–1481. <https://doi.org/10.1093/brain/aww037>
- Kim, C., Ho, D. H., Suk, J. E., You, S., Michael, S., Kang, J., Lee, S. J., Masliah, E., Hwang, D., & Lee, H. J. (2013). Neuron-released oligomeric a-synuclein is an endogenous agonist of TLR2 for paracrine activation of microglia. *Nat Commun*, 4. <https://doi.org/10.1038/ncomms2534>
- Kim, J. H., Hwang, S., Son, H., Kim, D., Kim, I. B., Kim, M.-H., Sim, N. S., Kim, D. S., Ha, Y.-J., Lee, J., Kang, H.-C., Lee, J. H., & Kim, S. (2022). Analysis of low-level somatic mosaicism reveals stage and tissue-specific mutational features in human development. *PLOS Genetics*, 18(9), e1010404. <https://doi.org/10.1371/journal.pgen.1010404>

- Kim, J., Lim, J., Yoo, I. D., Park, S., & Moon, J.-S. (2023). TXNIP contributes to induction of pro-inflammatory phenotype and caspase-3 activation in astrocytes during Alzheimer's diseases. *Redox Biology*, *63*, 102735. <https://doi.org/10.1016/j.redox.2023.102735>
- Kim, K. Y., Kim, Y. R., Choi, K. W., Lee, M., Lee, S., Im, W., Shin, J.-Y., Kim, J. Y., Hong, Y. H., Kim, M., Kim, J.-I., & Sung, J.-J. (2020). Downregulated miR-18b-5p triggers apoptosis by inhibition of calcium signaling and neuronal cell differentiation in transgenic SOD1 (G93A) mice and SOD1 (G17S and G86S) ALS patients. *Translational Neurodegeneration*, *9*. <https://doi.org/10.1186/s40035-020-00203-4>
- Kim, M.-S., Cho, K., Cho, M.-H., Kim, N.-Y., Kim, K., Kim, D.-H., & Yoon, S.-Y. (2023). Neuronal MHC-I complex is destabilized by amyloid- β and its implications in Alzheimer's disease. *Cell & Bioscience*, *13*(1), 181. <https://doi.org/10.1186/s13578-023-01132-1>
- Kim, N.-Y., Cho, M.-H., Won, S.-H., Kang, H.-J., Yoon, S.-Y., & Kim, D.-H. (2017). Sorting nexin-4 regulates β -amyloid production by modulating β -site-activating cleavage enzyme-1. *Alzheimer's Research & Therapy*, *9*(1), 4. <https://doi.org/10.1186/s13195-016-0232-8>
- Kim, Y.-J., Yoo, J.-Y., Kim, O.-S., Kim, H., Ryu, J., Kim, H.-S., Lee, J.-H., Yoo, H.-I., Song, D.-Y., Baik, T.-K., & Woo, R.-S. (2018). Neuregulin 1 regulates amyloid precursor protein cell surface expression and non-amyloidogenic processing. *Journal of Pharmacological Sciences*, *137*(2), 146–153. <https://doi.org/10.1016/j.jphs.2018.05.004>
- Kirabali, T., Rigotti, S., Siccoli, A., Liebsch, F., Shobo, A., Hock, C., Nitsch, R. M., Multhaup, G., & Kulic, L. (2019). The amyloid- β degradation intermediate A β 34 is pericyte-associated and reduced in brain capillaries of patients with Alzheimer's disease. *Acta Neuropathologica Communications*, *7*(1), 194. <https://doi.org/10.1186/s40478-019-0846-8>
- Kjær, C., Palasca, O., Barzaghi, G., Bak, L. K., Durhuus, R. K. J., Jakobsen, E., Pedersen, L., Bartels, E. D., Woldbye, D. P. D., Pinborg, L. H., & Jensen, L. J. (2023). Differential Expression of the β 3 Subunit of Voltage-Gated Ca²⁺ Channel in Mesial Temporal Lobe Epilepsy. *Molecular Neurobiology*, *60*(10), 5755–5769. <https://doi.org/10.1007/s12035-023-03426-4>
- Klaver, R., Popescu, V., Voorn, P., Galis-de Graaf, Y., van der Valk, P., de Vries, H. E., Schenk, G. J., & Geurts, J. J. (2015). Neuronal and axonal loss in normal-appearing gray matter and subpial lesions in multiple sclerosis. *Journal of Neuropathology & Experimental Neurology*, *74*(5), 453–458.
- Klioueva, N., Bovenberg, J., & Huitinga, I. (2018). Chapter 2—Banking brain tissue for research. In G. G. Kovacs & I. Alafuzoff (Eds.), *Handbook of Clinical Neurology* (Vol. 145, pp. 9–12). Elsevier. <https://doi.org/10.1016/B978-0-12-802395-2.00002-X>
- Klioueva, N. M., Rademaker, M. C., Dexter, D. T., Al-Sarraj, S., Seilhean, D., Streichenberger, N., Schmitz, P., Bell, J. E., Ironside, J. W., Arzberger, T., & Huitinga, I. (2015). BrainNet Europe's Code of Conduct for brain banking. *Journal of Neural Transmission*, *122*(7), 937–940. <https://doi.org/10.1007/s00702-014-1353-5>
- Klioueva, N. M., Rademaker, M. C., & Huitinga, I. (2018). Design of a European code of conduct for brain banking. In I. Huitinga & M. J. Webster (Eds.), *Handbook of Clinical Neurology* (Vol. 150, pp. 51–81). Elsevier. <https://doi.org/10.1016/B978-0-444-63639-3.00005-0>
- Koetzier, S. C., Langelaar, J. van, Blok, K. M., Bosch, T. P. P. van den, Wierenga-Wolf, A. F., Melief, M.-J., Pol, K., Siepmann, T. A., Verjans, G. M. G. M., Smolders, J., Lubberts, E., Vries, H. E. de, & Luijck, M. M. van. (2020). Brain-homing CD4⁺ T cells display glucocorticoid-resistant features in MS.

Neurology - Neuroimmunology Neuroinflammation, 7(6).

<https://doi.org/10.1212/NXI.0000000000000894>

- Koetzier, S. C., van Langelaar, J., Melief, M.-J., Wierenga-Wolf, A. F., Corsten, C. E. A., Blok, K. M., Hoeks, C., Broux, B., Wokke, B., van Luijn, M. M., & Smolders, J. (2022). Distinct Effector Programs of Brain-Homing CD8+ T Cells in Multiple Sclerosis. *Cells*, 11(10), Article 10. <https://doi.org/10.3390/cells11101634>
- Koh, H. S., Lee, S., Lee, H. J., Min, J.-W., Iwatsubo, T., Teunissen, C. E., Cho, H.-J., & Ryu, J.-H. (2021). Targeting MicroRNA-485-3p Blocks Alzheimer's Disease Progression. *International Journal of Molecular Sciences*, 22(23), Article 23. <https://doi.org/10.3390/ijms222313136>
- Kontsekova, E., Zilka, N., Kovacech, B., Novak, P., & Novak, M. (2014). First-in-man tau vaccine targeting structural determinants essential for pathological tau-tau interaction reduces tau oligomerisation and neurofibrillary degeneration in an Alzheimer's disease model. *Alzheimers Res Ther*, 6(4), 44.
- Kontsekova, E., Zilka, N., Kovacech, B., Skrabana, R., & Novak, M. (2014). Identification of structural determinants on tau protein essential for its pathological function: Novel therapeutic target for tau immunotherapy in Alzheimer's disease. *Alzheimers Res Ther*, 6, 45.
- Kooij, G., Kopplin, K., Blasig, R., Stuiver, M., Koning, N., Goverse, G., van der Pol, S. M., van het Hof, B., Gollasch, M., & Drexhage, J. A. (2014). Disturbed function of the blood–cerebrospinal fluid barrier aggravates neuro-inflammation. *Acta Neuropathologica*, 128(2), 267–277.
- Kooij, G., Kroon, J., Paul, D., Reijerkerk, A., Geerts, D., van der Pol, S. M., van het Hof, B., Drexhage, J. A., van Vliet, S. J., & Hekking, L. H. (2014). P-glycoprotein regulates trafficking of CD8+ T cells to the brain parenchyma. *Acta Neuropathologica*, 127(5), 699–711.
- Koopman, A. C. M., Taziaux, M., & Bakker, J. (2017). Age-related changes in the morphology of tanycytes in the human female infundibular nucleus/median eminence. *Journal of Neuroendocrinology*, 29(5). <https://doi.org/10.1111/jne.12467>
- Koopman, I., van Dijk, B. J., Zuithoff, N. P. A., Sluijs, J. A., van der Kamp, M. J., Baldew, Z. A. V., Frijns, C. J. M., Rinkel, G. J. E., Hol, E. M., & Vergouwen, M. D. I. (2023). Glial cell response and microthrombosis in aneurysmal subarachnoid hemorrhage patients: An autopsy study. *Journal of Neuropathology & Experimental Neurology*, 82(9), 798–805. <https://doi.org/10.1093/jnen/nlad050>
- Koopmans, F., Pandya, N. J., Franke, S. K., Phillippens, I. H. C. M. H., Paliukhovich, I., Li, K. W., & Smit, A. B. (2018). Comparative Hippocampal Synaptic Proteomes of Rodents and Primates: Differences in Neuroplasticity-Related Proteins. *Frontiers in Molecular Neuroscience*, 11. <https://doi.org/10.3389/fnmol.2018.00364>
- Kovacs, G. G., Rozemuller, A. J., van Swieten, J. C., Gelpi, E., Majtenyi, K., Al-Sarraj, S., Troakes, C., Bodi, I., King, A., Hortobagyi, T., Esiri, M. M., Ansorge, O., Giaccone, G., Ferrer, I., Arzberger, T., Bogdanovic, N., Nilsson, T., Leisser, I., Alafuzoff, I., ... Budka, H. (2013). Neuropathology of the hippocampus in FTLD-Tau with Pick bodies: A study of the BrainNet Europe Consortium. *Neuropathol.Appl.Neurobiol.*, 39(2). <https://doi.org/10.1111/j.1365-2990.2012.01272.x>
- Kovács, T., Billes, V., Komlós, M., Hotzi, B., Manzóger, A., Tarnóci, A., Papp, D., Szikszai, F., Szinyákovics, J., Rácz, Á., Noszál, B., Veszélka, S., Walter, F. R., Deli, M. A., Jr, L. H., Alfoldi, R., Huzian, O., Puskas, L. G., Liliom, H., ... Vellai, T. (2017). The small molecule AUTEN-99 (autophagy

- enhancer-99) prevents the progression of neurodegenerative symptoms. *Scientific Reports*, 7, 42014. <https://doi.org/10.1038/srep42014>
- Kramvis, I., Mansvelder, H. D., & Meredith, R. M. (2018). Chapter 22 - Neuronal life after death: Electrophysiologic recordings from neurons in adult human brain tissue obtained through surgical resection or postmortem. In I. Huitinga & M. J. Webster (Eds.), *Handbook of Clinical Neurology* (Vol. 150, pp. 319–333). Elsevier. <https://doi.org/10.1016/B978-0-444-63639-3.00022-0>
- Kravitz, E., Gaisler-Salomon, I., & Biegon, A. (2013). Hippocampal Glutamate NMDA Receptor Loss Tracks Progression in Alzheimer's Disease: Quantitative Autoradiography in Postmortem Human Brain. *PLoS ONE*, 8(11), e81244. <https://doi.org/10.1371/journal.pone.0081244>
- Kreft, K. L., van Meurs, M., Wierenga-Wolf, A. F., Melief, M.-J., van Strien, M. E., Hol, E. M., Oostra, B. A., Laman, J. D., & Hintzen, R. Q. (2014). Abundant kif21b is associated with accelerated progression in neurodegenerative diseases. *Acta Neuropathologica Communications*, 2(1), 1–13. <https://doi.org/10.1186/s40478-014-0144-4>
- Kroth, H., Oden, F., Molette, J., Schieferstein, H., Capotosti, F., Mueller, A., Berndt, M., Schmitt-Willich, H., Darmency, V., Gabellieri, E., Boudou, C., Juergens, T., Varisco, Y., Vokali, E., Hickman, D. T., Tamagnan, G., Pfeifer, A., Dinkelborg, L., Muhs, A., & Stephens, A. (2019). Discovery and preclinical characterization of [18F]PI-2620, a next-generation tau PET tracer for the assessment of tau pathology in Alzheimer's disease and other tauopathies. *European Journal of Nuclear Medicine and Molecular Imaging*, 46(10), 2178–2189. <https://doi.org/10.1007/s00259-019-04397-2>
- Krudop, W. A., Bosman, S., Geurts, J. J., Sikkes, S. A., Verwey, N. A., Stek, M. L., Scheltens, P., Rozemuller, A. J., Pijnenburg, Y. A., & Netherlands Brain Bank. (2015). Clinico-pathological correlations of the frontal lobe syndrome: Results of a large brain bank study. *Dementia and Geriatric Cognitive Disorders*, 40(3–4), 121–129.
- Kuiperij, H. B., Hondius, D. C., Kersten, I., Versleijen, A. a. M., Rozemuller, A. J. M., Greenberg, S. M., Schreuder, F. H. B. M., Klijn, C. J. M., & Verbeek, M. M. (2019). Apolipoprotein D: A potential biomarker for cerebral amyloid angiopathy. *Neuropathology and Applied Neurobiology*, n/a(n/a). <https://doi.org/10.1111/nan.12595>
- Kuiperij, H. B., Hondius, D. C., Kersten, I., Versleijen, A. a. M., Rozemuller, A. J. M., Greenberg, S. M., Schreuder, F. H. B. M., Klijn, C. J. M., & Verbeek, M. M. (2020). Apolipoprotein D: A potential biomarker for cerebral amyloid angiopathy. *Neuropathology and Applied Neurobiology*, 46(5), 431–440. <https://doi.org/10.1111/nan.12595>
- Kuiperij, H. B., Versleijen, A. A. M., Beenes, M., Verwey, N. A., Benussi, L., Paterlini, A., Binetti, G., Teunissen, C. E., Raaphorst, J., Schelhaas, H. J., Küsters, B., Pijnenburg, Y. A. L., Ghidoni, R., & Verbeek, M. M. (2016). Tau Rather than TDP-43 Proteins are Potential Cerebrospinal Fluid Biomarkers for Frontotemporal Lobar Degeneration Subtypes: A Pilot Study. *Journal of Alzheimer's Disease*, 55(2), 585–595. <https://doi.org/10.3233/JAD-160386>
- Kullenberg, H., Nyström, T., Kumlin, M., & Svedberg, M. M. (2023). Correlation between insulin-degrading enzyme versus total tau and selected cytokines in patients with Alzheimer's disease compared to non-demented controls. 44(4).

- Kumar, A., Koistinen, N. A., Malarte, M.-L., Nennesmo, I., Ingelsson, M., Ghetti, B., Lemoine, L., & Nordberg, A. (2021). Astroglial tracer BU99008 detects multiple binding sites in Alzheimer's disease brain. *Molecular Psychiatry*, 1–15. <https://doi.org/10.1038/s41380-021-01101-5>
- Kumar, P., Bulk, M., Webb, A., Weerd, L. van der, Oosterkamp, T. H., Huber, M., & Bossoni, L. (2016). A novel approach to quantify different iron forms in *ex-vivo* human brain tissue. *Scientific Reports*, 6, 38916. <https://doi.org/10.1038/srep38916>
- Kun-Rodrigues, C., Orme, T., Carmona, S., Hernandez, D. G., Ross, O. A., Eicher, J. D., Shepherd, C., Parkkinen, L., Darwent, L., Heckman, M. G., Scholz, S. W., Troncoso, J. C., Pletnikova, O., Dawson, T., Rosenthal, L., Ansorge, O., Clarimon, J., Lleo, A., Morenas-Rodriguez, E., ... Bras, J. (2019). A comprehensive screening of copy number variability in dementia with Lewy bodies. *Neurobiology of Aging*, 75, 223.e1-223.e10. <https://doi.org/10.1016/j.neurobiolaging.2018.10.019>
- Kvartsberg, H., Duits, F. H., Ingelsson, M., Andreasen, N., Öhrfelt, A., Andersson, K., Brinkmalm, G., Lannfelt, L., Minthon, L., Hansson, O., Andreasson, U., Teunissen, C. E., Scheltens, P., Van der Flier, W. M., Zetterberg, H., Portelius, E., & Blennow, K. (2015). Cerebrospinal fluid levels of the synaptic protein neurogranin correlates with cognitive decline in prodromal Alzheimer's disease. *Alzheimer's & Dementia*, 11(10), 1180–1190. <https://doi.org/10.1016/j.jalz.2014.10.009>
- Kvartsberg, H., Lashley, T., Murray, C. E., Brinkmalm, G., Cullen, N. C., Höglund, K., Zetterberg, H., Blennow, K., & Portelius, E. (2019). The intact postsynaptic protein neurogranin is reduced in brain tissue from patients with familial and sporadic Alzheimer's disease. *Acta Neuropathologica*, 137(1), 89–102. <https://doi.org/10.1007/s00401-018-1910-3>
- Kyalu Ngoie Zola, N., Balty, C., Pyrdit Ruys, S., Vanparys, A. A. T., Huyghe, N. D. G., Herinckx, G., Johanns, M., Boyer, E., Kienlen-Campard, P., Rider, M. H., Vertommen, D., & Hanseeuw, B. J. (2023). Specific post-translational modifications of soluble tau protein distinguishes Alzheimer's disease and primary tauopathies. *Nature Communications*, 14(1), Article 1. <https://doi.org/10.1038/s41467-023-39328-1>
- Lackie, R. E., de Miranda, A. S., Lim, M. P., Novikov, V., Madrer, N., Karunatileke, N. C., Rutledge, B. S., Tullo, S., Brickenden, A., Maitland, M. E. R., Greenberg, D., Gallino, D., Luo, W., Attaran, A., Shlaifer, I., Del Cid Pellitero, E., Schild-Poulter, C., Durcan, T. M., Fon, E. A., ... Prado, M. A. M. (2022). Stress-inducible phosphoprotein 1 (HOP/STI1/STIP1) regulates the accumulation and toxicity of α -synuclein in vivo. *Acta Neuropathologica*, 144(5), 881–910. <https://doi.org/10.1007/s00401-022-02491-8>
- Laferrière, F., Maniecka, Z., Pérez-Berlanga, M., Hruska-Plochan, M., Gilhespy, L., Hock, E.-M., Wagner, U., Afroz, T., Boersema, P. J., Barmettler, G., Foti, S. C., Asi, Y. T., Isaacs, A. M., Al-Amoudi, A., Lewis, A., Stahlberg, H., Ravits, J., De Giorgi, F., Ichas, F., ... Polymenidou, M. (2019). TDP-43 extracted from frontotemporal lobar degeneration subject brains displays distinct aggregate assemblies and neurotoxic effects reflecting disease progression rates. *Nature Neuroscience*, 22(1), 65–77. <https://doi.org/10.1038/s41593-018-0294-y>
- Lana, E. (2013). Alzheimer's and Parkinson's Diseases: Mechanisms, Clinical Strategies, and Promising Treatments of Neurodegenerative Diseases 11th International Conference AD/PDTM Florence, Italy, March 6-10, 2013: Abstracts. *Neurodegenerative Diseases*, 11(suppl 1)(Suppl. 1), 1–1.
- Lana, E., Chen, X., Jung, S., Wiehager, B., Ankarcona, M., Darreh-Shori, T., & Lithner, C. U. (2014). EPIGENETIC MODIFICATIONS IN ALZHEIMER'S DISEASE: EFFECTS OF BETA-AMYLOID EXPOSURE.

Alzheimer's Association International Conference 2014 Alzheimer's Association International Conference 2014, 10(4, Supplement), P215. <https://doi.org/10.1016/j.jalz.2014.04.287>

- Lana, E., Gellerbring, A., Jung, S., Nordberg, A., Unger Lithner, C., & Darreh-Shori, T. (2019). Homomeric and Heteromeric A β Species Exist in Human Brain and CSF Regardless of Alzheimer's Disease Status and Risk Genotype. *Frontiers in Molecular Neuroscience*, 12, 176. <https://doi.org/10.3389/fnmol.2019.00176>
- Langelaar, J. van, Rijvers, L., Janssen, M., Wierenga-Wolf, A. F., Melief, M.-J., Siepmann, T. A., Vries, H. E. de, Unger, P.-P. A., Ham, S. M. van, Hintzen, R. Q., & Luijn, M. M. van. (2019). Induction of brain-infiltrating T-bet-expressing B cells in multiple sclerosis. *Annals of Neurology*, 86(2), 264–278. <https://doi.org/10.1002/ana.25508>
- Langmyhr, M., Henriksen, S. P., Cappelletti, C., van de Berg, W. D. J., Pihlstrøm, L., & Toft, M. (2021). Allele-specific expression of Parkinson's disease susceptibility genes in human brain. *Scientific Reports*, 11(1), 504. <https://doi.org/10.1038/s41598-020-79990-9>
- Langseth, C. M., Kukanja, P., Rodríguez-Kirby, L. A. R., Agirre, E., Raman, A., Yokota, C., Avenel, C., Tiklová, K., Guerreiro-Cacais, A. O., Olsson, T., Hilscher, M. M., Nilsson, M., & Castelo-Branco, G. (2023). *Single cell-resolution in situ sequencing elucidates spatial dynamics of multiple sclerosis lesion and disease evolution* (p. 2023.06.29.547074). bioRxiv. <https://doi.org/10.1101/2023.06.29.547074>
- Lattanzi, R., Maftei, D., Petrella, C., Pieri, M., Sancesario, G., Schirinzi, T., Bernardini, S., Barbato, C., Ralli, M., Greco, A., Possenti, R., Sancesario, G., & Severini, C. (2019). Involvement of the Chemokine Prokineticin-2 (PROK2) in Alzheimer's Disease: From Animal Models to the Human Pathology. *Cells*, 8(11), 1430. <https://doi.org/10.3390/cells8111430>
- Lau, P., Bossers, K., Janky, R., Salta, E., Frigerio, C. S., Barbash, S., Rothman, R., Sierksma, A. S. R., Thathiah, A., Greenberg, D., Papadopoulou, A. S., Achsel, T., Ayoubi, T., Soreq, H., Verhaagen, J., Swaab, D. F., Aerts, S., & De Strooper, B. (2013). Alteration of the microRNA network during the progression of Alzheimer's disease. *EMBO Molecular Medicine*, 5(10), 1613–1634. <https://doi.org/10.1002/emmm.201201974>
- Lee, D.-Y., Jeon, G. S., & Sung, J.-J. (2020). ALS-Linked Mutant SOD1 Associates with TIA-1 and Alters Stress Granule Dynamics. *Neurochemical Research*, 45(12), 2884–2893. <https://doi.org/10.1007/s11064-020-03137-5>
- Lee, J. H., Lee, J. E., Kahng, J. Y., Kim, S. H., Park, J. S., Yoon, S. J., Um, J.-Y., Kim, W. K., Lee, J.-K., Park, J., Kim, E. H., Lee, J.-H., Lee, J.-H., Chung, W.-S., Ju, Y. S., Park, S.-H., Chang, J. H., Kang, S.-G., & Lee, J. H. (2018). Human glioblastoma arises from subventricular zone cells with low-level driver mutations. *Nature*, 560(7717), 243. <https://doi.org/10.1038/s41586-018-0389-3>
- Lee, J.-H., Ostalecki, C., Oberstein, T., Schierer, S., Zinser, E., Eberhardt, M., Blume, K., Plosnita, B., Stich, L., Bruns, H., Coras, R., Vera-Gonzales, J., Maler, M., & Baur, A. S. (2022). Alzheimer's disease protease-containing plasma extracellular vesicles transfer to the hippocampus via the choroid plexus. *eBioMedicine*, 77, 103903. <https://doi.org/10.1016/j.ebiom.2022.103903>
- Lee, K., Kim, H., An, K., Kwon, O.-B., Park, S., Cha, J. H., Kim, M.-H., Lee, Y., Kim, J.-H., Cho, K., & Kim, H.-S. (2016). Replenishment of microRNA-188-5p restores the synaptic and cognitive deficits in 5XFAD Mouse Model of Alzheimer's Disease. *Scientific Reports*, 6, 34433. <https://doi.org/10.1038/srep34433>

- Lee, S., Jo, M., Kwon, Y., Jeon, Y.-M., Kim, S., Lee, K. J., & Kim, H.-J. (2023). PTK2 regulates tau-induced neurotoxicity via phosphorylation of p62 at Ser403. *Journal of Neurogenetics*, *37*(1–2), 10–19. <https://doi.org/10.1080/01677063.2022.2114471>
- Lemoine, L., Gillberg, P.-G., Bogdanovic, N., Nennesmo, I., Saint-Aubert, L., Viitanen, M., Graff, C., Ingelsson, M., & Nordberg, A. (2020). Amyloid, tau, and astrocyte pathology in autosomal-dominant Alzheimer's disease variants: A β PP arc and PSEN1 D E9. *Molecular Psychiatry*, 1–11. <https://doi.org/10.1038/s41380-020-0817-2>
- Lemoine, L., Gillberg, P.-G., Svedberg, M., Stepanov, V., Jia, Z., Huang, J., Nag, S., Tian, H., Ghetti, B., Okamura, N., Higuchi, M., Halldin, C., & Nordberg, A. (2017). Comparative binding properties of the tau PET tracers THK5117, THK5351, PBB3, and T807 in postmortem Alzheimer brains. *Alzheimer's Research & Therapy*, *9*(1), 96. <https://doi.org/10.1186/s13195-017-0325-z>
- Lemoine, L., Saint-Aubert, L., Marutle, A., Antoni, G., Eriksson, P. J., Ghetti, B., Okamura, N., Nennesmo, I., Gillberg, P.-G., & Nordberg, A. (2015). Visualization of regional tau deposits using 3H-THK5117 in Alzheimer brain tissue. *Acta Neuropathologica Communications*, *3*(1), 1–11. <https://doi.org/10.1186/s40478-015-0220-4>
- Leoni, E., Bremang, M., Mitra, V., Zubiri, I., Jung, S., Lu, C.-H., Adiutori, R., Lombardi, V., Russell, C., Koncarevic, S., Ward, M., Pike, I., & Malaspina, A. (2019). Combined Tissue-Fluid Proteomics to Unravel Phenotypic Variability in Amyotrophic Lateral Sclerosis. *Scientific Reports*, *9*(1), 1–16. <https://doi.org/10.1038/s41598-019-40632-4>
- Lewandowski, S. A., Nilsson, I., Fredriksson, L., Lönnerberg, P., Muhl, L., Zeitelhofer, M., Adzemovic, M. Z., Nichterwitz, S., Lawrence, D. A., Hedlund, E., & Eriksson, U. (2015). Presymptomatic activation of the PDGF-CC pathway accelerates onset of ALS neurodegeneration. *Acta Neuropathologica*, *131*(3), 453–464. <https://doi.org/10.1007/s00401-015-1520-2>
- Lewis, A. J., Genoud, C., Pont, M., van de Berg, W. D., Frank, S., Stahlberg, H., Shahmoradian, S. H., & Al-Amoudi, A. (2019). Imaging of post-mortem human brain tissue using electron and X-ray microscopy. *Current Opinion in Structural Biology*, *58*, 138–148. <https://doi.org/10.1016/j.sbi.2019.06.003>
- Li, H., Chen, X., Dong, J., Liu, R., Duan, J., Huang, M., Hu, S., & Lu, J. (2023). *A direct estrogenic involvement in the expression of human hypocretin* (p. 2023.12.21.572761). bioRxiv. <https://doi.org/10.1101/2023.12.21.572761>
- Li, H., Chen, X., Dong, J., Liu, R., Hu, S., & Lu, J. (2023). *Direct Involvement of Estrogen Receptors in Hypocretin Gene Expression: A Possible Explanation for the Sex Difference in Depression* (SSRN Scholarly Paper 4418709). <https://doi.org/10.2139/ssrn.4418709>
- Li, J.-B., Hu, X.-Y., Chen, M.-W., Xiong, C.-H., Zhao, N., Ge, Y.-H., Wang, H., Gao, X.-L., Xu, N.-J., Zhao, L.-X., Yu, Z.-H., Chen, H.-Z., & Qiu, Y. (2023). p85S6K sustains synaptic GluA1 to ameliorate cognitive deficits in Alzheimer's disease. *Translational Neurodegeneration*, *12*(1), 1. <https://doi.org/10.1186/s40035-022-00334-w>
- Li, K.-Y., Gong, P.-F., Li, J.-T., Xu, N.-J., & Qin, S. (2020). Morphological and molecular alterations of reactive astrocytes without proliferation in cerebral cortex of an APP/PS1 transgenic mouse model and Alzheimer's patients. *Glia*, *68*(11), 2361–2376. <https://doi.org/10.1002/glia.23845>
- Li, X., Qin, L., Li, Y., Yu, H., Zhang, Z., Tao, C., Liu, Y., Xue, Y., Zhang, X., Xu, Z., Wang, Y., Lou, H., Tan, Z., Saftig, P., Chen, Z., Xu, T., Bi, G., Duan, S., & Gao, Z. (2019). Presynaptic Endosomal Cathepsin D

- Regulates the Biogenesis of GABAergic Synaptic Vesicles. *Cell Reports*, 28(4), 1015-1028.e5. <https://doi.org/10.1016/j.celrep.2019.06.006>
- Li, Z., Cui, M., Dai, J., Wang, X., Yu, P., Yang, Y., Jia, J., Fu, H., Ono, M., Jia, H., Saji, H., & Liu, B. (2013). Novel Cyclopentadienyl Tricarbonyl Complexes of ^{99m}Tc Mimicking Chalcone as Potential Single-Photon Emission Computed Tomography Imaging Probes for β -Amyloid Plaques in Brain. *Journal of Medicinal Chemistry*, 56(2), 471–482. <https://doi.org/10.1021/jm3014184>
- Liao, C. R., Rak, M., Lund, J., Unger, M., Platt, E., Albensi, B. C., Hirschmugl, C. J., & Gough, K. M. (2013). Synchrotron FTIR reveals lipid around and within amyloid plaques in transgenic mice and Alzheimer's disease brain. *Analyst*, 138(14), 3991–3997. <https://doi.org/10.1039/C3AN00295K>
- Liao, Y., Qi, X.-L., Cao, Y., Yu, W.-F., Ravid, R., Winblad, B., Pei, J.-J., & Guan, Z.-Z. (2016, November). Elevations in the Levels of NF- κ B and Inflammatory Chemotactic Factors in the Brains with Alzheimer's Disease—One Mechanism May Involve α 7 Nicotinic Acetylcholine Receptor [Text]. <https://www.ingentaconnect.com/contentone/ben/car/2016/00000013/00000011/art00010>
- Libé-Philippot, B., Lejeune, A., Wierda, K., Louros, N., Erkol, E., Vlaeminck, I., Beckers, S., Gaspariunaite, V., Bilheu, A., Konstantoulea, K., Nyitrai, H., De Vleeschouwer, M., Vennekens, K. M., Vidal, N., Bird, T. W., Soto, D. C., Jaspers, T., Dewilde, M., Dennis, M. Y., ... Vanderhaeghen, P. (2023). LRRC37B is a human modifier of voltage-gated sodium channels and axon excitability in cortical neurons. *Cell*, 186(26), 5766-5783.e25. <https://doi.org/10.1016/j.cell.2023.11.028>
- Libé-Philippot, B., Lejeune, A., Wierda, K., Vlaeminck, I., Beckers, S., Gaspariunaite, V., Bilheu, A., Nyitrai, H., Vennekens, K. M., Bird, T. W., Soto, D., Dennis, M. Y., Comoletti, D., Theys, T., Wit, J. de, & Vanderhaeghen, P. (2022). LRRC37B is a species-specific regulator of voltage-gated channels and excitability in human cortical neurons (p. 2022.12.21.521423). bioRxiv. <https://doi.org/10.1101/2022.12.21.521423>
- Lin, C. P., Frigerio, I., Boon, B. D. C., Zhou, Z., Rozemuller, A. J. M., Bouwman, F. H., Schoonheim, M. M., van de Berg, W. D. J., & Jonkman, L. E. (2022). Structural (dys)connectivity associates with cholinergic cell density in Alzheimer's disease. *Brain*, 145(8), 2869–2881. <https://doi.org/10.1093/brain/awac093>
- Lin, C.-P., Frigerio, I., Boon, B. D., Zhou, Z., Rozemuller, A. J., Bouwman, F., Schoonheim, M. M., van de Berg, W. D., & Jonkman, L. (2021). Structural (dys)connectivity associates with cholinergic cell density of the nucleus basalis of Meynert in Alzheimer's disease. *bioRxiv*, 2021.08.02.454716. <https://doi.org/10.1101/2021.08.02.454716>
- Lin, C.-P., Knoop, L. E., Frigerio, I., Bol, J. G., Rozemuller, A. J., Berendse, H. W., Pouwels, P. J., Berg, W. D. van de, & Jonkman, L. E. (2022). Nigral pathology contributes to microstructural integrity of striatal and frontal tracts in Parkinson's disease (p. 2022.12.21.521411). bioRxiv. <https://doi.org/10.1101/2022.12.21.521411>
- Lin, C.-P., Knoop, L. E. J., Frigerio, I., Bol, J. G. J. M., Rozemuller, A. J. M., Berendse, H. W., Pouwels, P. J. W., van de Berg, W. D. J., & Jonkman, L. E. (2023). Nigral Pathology Contributes to Microstructural Integrity of Striatal and Frontal Tracts in Parkinson's Disease. *Movement Disorders*, 38(9), 1655–1667. <https://doi.org/10.1002/mds.29510>
- Lindner, K., Beckenbauer, K., van Ek, L. C., Titeca, K., de Leeuw, S. M., Awwad, K., Hanke, F., Korepanova, A. V., Rybin, V., van der Kam, E. L., Mohler, E. G., Tackenberg, C., Lakics, V., & Gavin,

- A.-C. (2022). Isoform- and cell-state-specific lipidation of ApoE in astrocytes. *Cell Reports*, 38(9), 110435. <https://doi.org/10.1016/j.celrep.2022.110435>
- Little, K., Singh, A., Del Marco, A., Llorián-Salvador, M., Vargas-Soria, M., Turch-Anguera, M., Solé, M., Bakker, N., Scullion, S., Comella, J. X., Klaassen, I., Simó, R., Garcia-Alloza, M., Tiwari, V. K., Stitt, A. W., & on behalf of the RECOGNISED consortium. (2023). Disruption of cortical cell type composition and function underlies diabetes-associated cognitive decline. *Diabetologia*, 66(8), 1557–1575. <https://doi.org/10.1007/s00125-023-05935-2>
- Liu, X.-C., Qi, X.-H., Fang, H., Zhou, K.-Q., Wang, Q.-S., & Chen, G.-H. (2021). Increased MANF Expression in the Inferior Temporal Gyrus in Patients With Alzheimer Disease. *Frontiers in Aging Neuroscience*, 13, 639318. <https://doi.org/10.3389/fnagi.2021.639318>
- Liu, Y., Zhou, Q., Tang, M., Fu, N., Shao, W., Zhang, S., Yin, Y., Zeng, R., Wang, X., & Hu, G. (2015). Upregulation of alphaB-crystallin expression in the substantia nigra of patients with Parkinson's disease. *Neurobiology of Aging*, 36(4), 1686–1691.
- Lochocki, B., Boon, B. D. C., Verheul, S. R., Zada, L., Hoozemans, J. J. M., Ariese, F., & de Boer, J. F. (2021). Multimodal, label-free fluorescence and Raman imaging of amyloid deposits in snap-frozen Alzheimer's disease human brain tissue. *Communications Biology*, 4(1), 1–13. <https://doi.org/10.1038/s42003-021-01981-x>
- Lochocki, B., J. Morrema, T. H., Ariese, F., M. Hoozemans, J. J., & Boer, J. F. de. (2020). The search for a unique Raman signature of amyloid-beta plaques in human brain tissue from Alzheimer's disease patients. *Analyst*, 145(5), 1724–1736. <https://doi.org/10.1039/C9AN02087J>
- Lochocki, B., Morrema, T. H. J., Ariese, F., Hoozemans, J. J. M., & Boer, J. F. de. (2019). Identification of amyloid-beta (A β) plaques in freshly frozen human brain tissue using Raman spectroscopy. *Clinical and Preclinical Optical Diagnostics II (2019), Paper 11073_1*, 11073_1. <https://doi.org/10.1117/12.2526993>
- Lochocki, B., Verweg, M. V., Hoozemans, J. J. M., de Boer, J. F., & Amitonova, L. V. (2022). Epi-fluorescence imaging of the human brain through a multimode fiber. *APL Photonics*, 7(7), 071301. <https://doi.org/10.1063/5.0080672>
- Loef, D., Tendolkar, I., van Eijndhoven, P. F. P., Hoozemans, J. J. M., Oudega, M. L., Rozemuller, A. J. M., Lucassen, P. J., Dols, A., & Dijkstra, A. A. (2023). Electroconvulsive therapy is associated with increased immunoreactivity of neuroplasticity markers in the hippocampus of depressed patients. *Translational Psychiatry*, 13(1), Article 1. <https://doi.org/10.1038/s41398-023-02658-1>
- Loix, M., Wouters, E., Vanherle, S., Dehairs, J., McManaman, J. L., Kemps, H., Swinnen, J. V., Haidar, M., Bogie, J. F. J., & Hendriks, J. J. A. (2022). Perilipin-2 limits remyelination by preventing lipid droplet degradation. *Cellular and Molecular Life Sciences*, 79(10), 515. <https://doi.org/10.1007/s00018-022-04547-0>
- Longaretti, A., Forastieri, C., Toffolo, E., Caffino, L., Locarno, A., Misevičiūtė, I., Marchesi, E., Battistin, M., Ponzoni, L., Madaschi, L., Cambria, C., Bonasoni, M. P., Sala, M., Perrone, D., Fumagalli, F., Bassani, S., Antonucci, F., Tonini, R., Francolini, M., ... Rusconi, F. (2020). LSD1 is an environmental stress-sensitive negative modulator of the glutamatergic synapse. *Neurobiology of Stress*, 13. <https://doi.org/10.1016/j.ynstr.2020.100280>
- Long-Smith, C. M., Manning, S., McClean, P. L., Coakley, M. F., O'Halloran, D. J., Holscher, C., & O'Neill, C. (2013). The Diabetes Drug Liraglutide Ameliorates Aberrant Insulin Receptor

- Localisation and Signalling in Parallel with Decreasing Both Amyloid- β Plaque and Glial Pathology in a Mouse Model of Alzheimer's Disease. *Neuromolecular Medicine*, 15(1), 102–114.
- Lopes, K. de P., Snijders, G. J. L., Humphrey, J., Allan, A., Sneeboer, M. A. M., Navarro, E., Schilder, B. M., Vialle, R. A., Parks, M., Missall, R., van Zuiden, W., Gigase, F. A. J., Kübler, R., van Berlekom, A. B., Hicks, E. M., Böttcher, C., Priller, J., Kahn, R. S., de Witte, L. D., & Raj, T. (2022). Genetic analysis of the human microglial transcriptome across brain regions, aging and disease pathologies. *Nature Genetics*, 54(1), Article 1. <https://doi.org/10.1038/s41588-021-00976-y>
- López-Sendón, J. de Y. J., Ros, R., Heetveld, O. S. I. B. S., Bevova, M., & Rizzu, S. J. P. H. P. (2015). *Clinical and Neuropathological Features of Spastic Ataxia in a Spanish Family with Novel Compound Heterozygous Mutations in STUB1*.
- Lorteije, J. A., Zylberberg, A., Ouellette, B. G., De Zeeuw, C. I., Sigman, M., & Roelfsema, P. R. (2015). The Formation of Hierarchical Decisions in the Visual Cortex. *Neuron*, 87(6), 1344–1356.
- Lu, J., Huang, M.-L., Li, J.-H., Jin, K.-Y., Li, H.-M., Mou, T.-T., Fronczek, R., Duan, J.-F., Xu, W.-J., Swaab, D., & Bao, A.-M. (2021). Changes of Hypocretin (Orexin) System in Schizophrenia: From Plasma to Brain. *Schizophrenia Bulletin*, 47(5), 1310–1319. <https://doi.org/10.1093/schbul/sbab042>
- Lu, J., Zhao, J., Balesar, R., Fronczek, R., Zhu, Q.-B., Wu, X.-Y., Hu, S.-H., Bao, A.-M., & Swaab, D. F. (2017). Sexually Dimorphic Changes of Hypocretin (Orexin) in Depression. *EBioMedicine*, 18, 311–319. <https://doi.org/10.1016/j.ebiom.2017.03.043>
- Lu, R., Wang, J., Tao, R., Wang, J., Zhu, T., Guo, W., Sun, Y., Li, H., Gao, Y., Zhang, W., Fowler, C. J., Li, Q., Chen, S., Wu, Z., Masters, C. L., Zhong, C., Jing, N., Wang, Y., & Wang, Y. (2018). Reduced TRPC6 mRNA levels in the blood cells of patients with Alzheimer's disease and mild cognitive impairment. *Molecular Psychiatry*, 23(3), 767–776. <https://doi.org/10.1038/mp.2017.136>
- Lu, S., Wu, Y., Guo, Y., Liang, P., Yin, S., Yin, Y., Zhang, X., Liu, Y.-F., Wang, H., Xiao, Y., Liang, X., & Zhou, J. (2022). Inhibition of astrocytic DRD2 suppresses CNS inflammation in an animal model of multiple sclerosis. *Journal of Experimental Medicine*, 219(9), e20210998. <https://doi.org/10.1084/jem.20210998>
- Luchetti, S., Fransen, N. L., van Eden, C. G., Ramaglia, V., Mason, M., & Huitinga, I. (2018). Progressive multiple sclerosis patients show substantial lesion activity that correlates with clinical disease severity and sex: A retrospective autopsy cohort analysis. *Acta Neuropathologica*, 135(4), 511–528. <https://doi.org/10.1007/s00401-018-1818-y>
- Luchetti, S., Liere, P., Pianos, A., Verwer, R. W. H., Sluiter, A., Huitinga, I., Schumacher, M., Swaab, D. F., & Mason, M. R. J. (2023). Disease stage-dependent changes in brain levels and neuroprotective effects of neuroactive steroids in Parkinson's disease. *Neurobiology of Disease*, 183, 106169. <https://doi.org/10.1016/j.nbd.2023.106169>
- Luchetti, S., van Eden, C. G., Schuurman, K., van Strien, M. E., Swaab, D. F., & Huitinga, I. (2014). Gender differences in multiple sclerosis: Induction of estrogen signaling in male and progesterone signaling in female lesions. *Journal of Neuropathology & Experimental Neurology*, 73(2), 123–135.
- Luchicchi, A., Hart, B., Frigerio, I., van Dam, A.-M., Perna, L., Offerhaus, H. L., Stys, P. K., Schenk, G. J., & Geurts, J. J. G. (2021). Axon-Myelin Unit Blistering as Early Event in MS Normal Appearing White Matter. *Annals of Neurology*, 89(4), 711–725. <https://doi.org/10.1002/ana.26014>

- Luengo, E., Trigo-Alonso, P., Fernández-Mendivil, C., Nuñez, Á., Campo, M. del, Porrero, C., García-Magro, N., Negro, P., Senar, S., Sánchez-Ramos, C., Bernal, J. A., Rábano, A., Hoozemans, J., Casas, A. I., Schmidt, H. H. H. W., & López, M. G. (2022). Implication of type 4 NADPH oxidase (NOX4) in tauopathy. *Redox Biology*, *49*, 102210. <https://doi.org/10.1016/j.redox.2021.102210>
- Lukic, M. J., Kurz, C., Respondek, G., Grau-Rivera, O., Compta, Y., Gelpi, E., Troakes, C., Swieten, J. C. van, Giese, A., Roeber, S., Arzberger, T., & Höglinger, G. (2020). Copathology in Progressive Supranuclear Palsy: Does It Matter? *Movement Disorders*, *35*(6), 984–993. <https://doi.org/10.1002/mds.28011>
- Lukic, M. J., Respondek, G., Kurz, C., Compta, Y., Gelpi, E., Ferguson, L. W., Rajput, A., Troakes, C., Group, the M. P. study, van Swieten, J. C., Giese, A., Roeber, S., Herms, J., Arzberger, T., & Höglinger, G. (2022). Long-Duration Progressive Supranuclear Palsy: Clinical Course and Pathological Underpinnings. *Annals of Neurology*, *92*(4), 637–649. <https://doi.org/10.1002/ana.26455>
- Lund, H., Cowburn, R. F., Gustafsson, E., Strömberg, K., Svensson, A., Dahllund, L., Malinowsky, D., & Sunnemark, D. (2013). Tau-Tubulin Kinase 1 Expression, Phosphorylation and Co-Localization with Phospho-Ser422 Tau in the Alzheimer's Disease Brain. *Brain Pathology*, *23*(4), 378–389. <https://doi.org/10.1111/bpa.12001>
- Lund, H., Gustafsson, E., Svensson, A., Nilsson, M., Berg, M., Sunnemark, D., & von Euler, G. (2014). MARK4 and MARK3 associate with early tau phosphorylation in Alzheimer's disease granulovacuolar degeneration bodies. *Acta Neuropathologica Communications*, *2*(1), 1–15. <https://doi.org/10.1186/2051-5960-2-22>
- Luykx, J. J., Giuliani, F., Giuliani, G., & Veldink, J. (2019). Coding and Non-Coding RNA Abnormalities in Bipolar Disorder. *Genes*, *10*(11), 946. <https://doi.org/10.3390/genes10110946>
- Luykx, J. J., Giuliani, F., Giuliani, G., & Veldink, J. H. (2018). Coding and non-coding RNA dysregulation in bipolar disorder. *bioRxiv*, 291385. <https://doi.org/10.1101/291385>
- Ma, Q., Jiang, L., Chen, H., An, D., Ping, Y., Wang, Y., Dai, H., Zhang, X., Wang, Y., Chen, Z., & Hu, W. (2023). Histamine H2 receptor deficit in glutamatergic neurons contributes to the pathogenesis of schizophrenia. *Proceedings of the National Academy of Sciences*, *120*(9), e2207003120. <https://doi.org/10.1073/pnas.2207003120>
- Maccioni, R., Trivisan, C., Zerial, S., Wagener, A., Andrade-Talavera, Y., Picciau, F., Grassi, C., Chen, G., Lemoine, L., Fisahn, A., Jiang, R., Fluhrer, R., Mentrup, T., Schröder, B., Nilsson, P., & Tambaro, S. (2022). *Signal Peptide Peptidase-Like 2b affects APP cleavage and exhibits a biphasic Aβ-mediated expression in Alzheimer's disease* (p. 2022.10.24.513473). bioRxiv. <https://doi.org/10.1101/2022.10.24.513473>
- Mackmull, M.-T., Nagel, L., Sesterhenn, F., Muntel, J., Grossbach, J., Stalder, P., Bruderer, R., Reiter, L., van de Berg, W. D. J., de Souza, N., Beyer, A., & Picotti, P. (2022). Global, in situ analysis of the structural proteome in individuals with Parkinson's disease to identify a new class of biomarker. *Nature Structural & Molecular Biology*, *29*(10), Article 10. <https://doi.org/10.1038/s41594-022-00837-0>
- Macnair, W., Calini, D., Agirre, E., Bryois, J., Jäkel, S., Kukanja, P., Stokar-Regenscheit, N., Ott, V., Foo, L. C., Collin, L., Schipling, S., Urich, E., Nutma, E., Marzin, M., Amor, S., Magliozzi, R., Heidari, E., Robinson, M. D., French-Constant, C., ... Malhotra, D. (2022). *Single nuclei RNAseq stratifies*

multiple sclerosis patients into three distinct white matter glia responses (p. 2022.04.06.487263). bioRxiv. <https://doi.org/10.1101/2022.04.06.487263>

- Macrez, R., Ortega, M. C., Bardou, I., Mehra, A., Fournier, A., Pol, V. der, A, S. M., Haelewyn, B., Maubert, E., Lesept, F., Chevilly, A., de Castro, F., Vries, D., E, H., Vivien, D., Clemente, D., & Docagne, F. (2016). Neuroendothelial NMDA receptors as therapeutic targets in experimental autoimmune encephalomyelitis. *Brain*, *139*(9), 2406–2419. <https://doi.org/10.1093/brain/aww172>
- Magalhaes, J., Tresse, E., Ejlerskov, P., Hu, E., Liu, Y., Marin, A., Montalant, A., Satriano, L., Rundsten, C. F., Carlsen, E. M. M., Rydbirk, R., Sharifi-Zarchi, A., Andersen, J. B., Aznar, S., Brudek, T., Khodosevich, K., Prinz, M., Perrier, J.-F. M., Sharma, M., ... Issazadeh-Navikas, S. (2021). PIAS2-mediated blockade of IFN- β signaling: A basis for sporadic Parkinson disease dementia. *Molecular Psychiatry*, 1–17. <https://doi.org/10.1038/s41380-021-01207-w>
- Magnusson, K., Sehlin, D., Syvänen, S., Svedberg, M. M., Philipson, O., Söderberg, L., Tegerstedt, K., Holmquist, M., Gellerfors, P., & Tolmachev, V. (2013). Specific Uptake of an Amyloid- β Protofibril-Binding Antibody-Tracer in A β PP Transgenic Mouse Brain. *Journal of Alzheimer's Disease*, *37*(1), 29–40.
- Mahinrad, S., Bulk, M., van der Velpen, I., Mahfouz, A., van Roon-Mom, W., Fedarko, N., Yasar, S., Sabayan, B., van Heemst, D., & van der Weerd, L. (2018). Natriuretic Peptides in Post-mortem Brain Tissue and Cerebrospinal Fluid of Non-demented Humans and Alzheimer's Disease Patients. *Frontiers in Neuroscience*, *12*. <https://doi.org/10.3389/fnins.2018.00864>
- Mahul-Mellier, A.-L., Altay, M. F., Burtscher, J., Maharjan, N., Ait-Bouziad, N., Chiki, A., Vingill, S., Wade-Martins, R., Holton, J., Strand, C., Haikal, C., Li, J.-Y., Hamelin, R., Croisier, M., Knott, G., Mairet-Coello, G., Weerens, L., Michel, A., Downey, P., ... Lashuel, H. A. (2018). The making of a Lewy body: The role of α -synuclein post-fibrillization modifications in regulating the formation and the maturation of pathological inclusions. *bioRxiv*, 500058. <https://doi.org/10.1101/500058>
- Maier, M., Welt, T., Wirth, F., Montrasio, F., Preisig, D., McAfoose, J., Vieira, F. G., Kulic, L., Späni, C., Stehle, T., Perrin, S., Weber, M., Hock, C., Nitsch, R. M., & Grimm, J. (2018). A human-derived antibody targets misfolded SOD1 and ameliorates motor symptoms in mouse models of amyotrophic lateral sclerosis. *Science Translational Medicine*, *10*(470), eaah3924. <https://doi.org/10.1126/scitranslmed.aah3924>
- Mailleux, J., Vanmierlo, T., Bogie, J. F., Wouters, E., Lütjohann, D., Hendriks, J. J., & van Horsen, J. (2018). Active liver X receptor signaling in phagocytes in multiple sclerosis lesions. *Multiple Sclerosis Journal*, *24*(3), 279–289. <https://doi.org/10.1177/1352458517696595>
- Makris, N., Swaab, D. F., van der Kouwe, A., Abbs, B., Boriel, D., Handa, R. J., Tobet, S., & Goldstein, J. M. (2013). Volumetric parcellation methodology of the human hypothalamus in neuroimaging: Normative data and sex differences. *NeuroImage*, *69*(0), 1–10. <https://doi.org/10.1016/j.neuroimage.2012.12.008>
- Malarte, M.-L., Gillberg, P.-G., Kumar, A., Bogdanovic, N., Lemoine, L., & Nordberg, A. (2022). Discriminative binding of tau PET tracers PI2620, MK6240 and RO948 in Alzheimer's disease, corticobasal degeneration and progressive supranuclear palsy brains. *Molecular Psychiatry*, 1–12. <https://doi.org/10.1038/s41380-022-01875-2>

- Malarte, M.-L., Gillberg, P.-G., Kumar, A., Bogdanovic, N., Lemoine, L., & Nordberg, A. (2023). Discriminative binding of tau PET tracers PI2620, MK6240 and RO948 in Alzheimer's disease, corticobasal degeneration and progressive supranuclear palsy brains. *Molecular Psychiatry*, 28(3), Article 3. <https://doi.org/10.1038/s41380-022-01875-2>
- Malarte, M.-L., Nordberg, A., & Lemoine, L. (2020). Characterization of MK6240, a tau PET tracer, in autopsy brain tissue from Alzheimer's disease cases. *European Journal of Nuclear Medicine and Molecular Imaging*. <https://doi.org/10.1007/s00259-020-05035-y>
- Malarte, M.-L., Nordberg, A., & Lemoine, L. (2021). Characterization of MK6240, a tau PET tracer, in autopsy brain tissue from Alzheimer's disease cases. *European Journal of Nuclear Medicine and Molecular Imaging*, 48(4), 1093–1102. <https://doi.org/10.1007/s00259-020-05035-y>
- Man, J. H. K., van Gelder, C. A. G. H., Breur, M., Molenaar, D., Abbink, T., Altelaar, M., Bugiani, M., & van der Knaap, M. S. (2023). Regional vulnerability of brain white matter in vanishing white matter. *Acta Neuropathologica Communications*, 11(1), 103. <https://doi.org/10.1186/s40478-023-01599-6>
- Man, J. H. K., van Gelder, C. A. G. H., Breur, M., Okkes, D., Molenaar, D., van der Sluis, S., Abbink, T., Altelaar, M., van der Knaap, M. S., & Bugiani, M. (2022). Cortical Pathology in Vanishing White Matter. *Cells*, 11(22), Article 22. <https://doi.org/10.3390/cells11223581>
- Månberg, A., Skene, N., Sanders, F., Trusohamn, M., Remnestål, J., Szczepińska, A., Aksoylu, I. S., Lönnnerberg, P., Ebarasi, L., Wouters, S., Lehmann, M., Olofsson, J., von Gohren Antequera, I., Domaniku, A., De Schaepdryver, M., De Vocht, J., Poesen, K., Uhlén, M., Anink, J., ... Lewandowski, S. A. (2021). Altered perivascular fibroblast activity precedes ALS disease onset. *Nature Medicine*, 27(4), 640–646. <https://doi.org/10.1038/s41591-021-01295-9>
- Manuela, P.-B., Florent, L., & Magdalini, P. (2019). SarkoSpin: A Technique for Biochemical Isolation and Characterization of Pathological TDP-43 Aggregates. *BIO-PROTOCOL*, 9(22). <https://doi.org/10.21769/BioProtoc.3424>
- Marcello, E., Saraceno, C., Musardo, S., Vara, H., de la Fuente, A. G., Pelucchi, S., Di Marino, D., Borroni, B., Tramontano, A., Pérez-Otaño, I., Padovani, A., Giustetto, M., Gardoni, F., & Di Luca, M. (2013). Endocytosis of synaptic ADAM10 in neuronal plasticity and Alzheimer's disease. *The Journal of Clinical Investigation*, 123(6), 2523–2538. <https://doi.org/10.1172/JCI65401>
- Marlatt, M. W., Bauer, J., Aronica, E., van Haastert, E. S., Hoozemans, J. J., Joels, M., & Lucassen, P. J. (2014). Proliferation in the Alzheimer hippocampus is due to microglia, not astroglia, and occurs at sites of amyloid deposition. *Neural Plasticity*, 2014.
- Martínez-Frailes, C., Di Lauro, C., Bianchi, C., de Diego-García, L., Sebastián-Serrano, Á., Boscá, L., & Díaz-Hernández, M. (2019). Amyloid Peptide Induced Neuroinflammation Increases the P2X7 Receptor Expression in Microglial Cells, Impacting on Its Functionality. *Frontiers in Cellular Neuroscience*, 13. <https://doi.org/10.3389/fncel.2019.00143>
- Marutle, A., Gillberg, P.-G., Bergfors, A., Yu, W., Ni, R., Nennesmo, I., Voytenko, L., & Nordberg, A. (2013). 3H-Deprenyl and 3H-PIB autoradiography show different laminar distributions of astroglia and fibrillar β -amyloid in Alzheimer brain. *J Neuroinflammation*, 10(1), 90.
- Masrori, P., Bijnens, B., Davie, K., Poovathingal, S. K., Storm, A., Hersmus, N., Fumagalli, L., Bosch, L. V. D., Fiers, M., Thal, D. R., Mancuso, R., & Damme, P. V. (2022). *Hexanucleotide repeat*

- expansions in C9orf72 alter microglial responses and prevent a coordinated glial reaction in ALS* (p. 2022.10.26.513909). bioRxiv. <https://doi.org/10.1101/2022.10.26.513909>
- Matias, I., Diniz, L. P., Damico, I. V., Araujo, A. P. B., Neves, L. da S., Vargas, G., Leite, R. E. P., Suemoto, C. K., Nitrini, R., Jacob-Filho, W., Grinberg, L. T., Hol, E. M., Middeldorp, J., & Gomes, F. C. A. (2022). Loss of lamin-B1 and defective nuclear morphology are hallmarks of astrocyte senescence in vitro and in the aging human hippocampus. *Aging Cell*, *21*(1), e13521. <https://doi.org/10.1111/accel.13521>
- Matias, I., Diniz, L. P., Damico, I. V., da Silva Neves, L., Bergamo Araujo, A. P., Vargas, G., Leite, R. E. P., Suemoto, C. K., Nitrini, R., Jacob-Filho, W., Grinberg, L. T., Hol, E. M., Middeldorp, J., & Alcantara Gomes, F. C. (2021). Loss of lamin-B1 and defective nuclear morphology are hallmarks of astrocyte senescence *in vitro* and in the aging human hippocampus. *bioRxiv*, 2021.04.27.440997. <https://doi.org/10.1101/2021.04.27.440997>
- Mätlik, K., Baffuto, M., Kus, L., Deshmukh, A. L., Davis, D. A., Paul, M. R., Carroll, T. S., Caron, M.-C., Masson, J.-Y., Pearson, C. E., & Heintz, N. (2023). *Cell Type Specific CAG Repeat Expansions and Toxicity of Mutant Huntingtin in Human Striatum and Cerebellum* (p. 2023.04.24.538082). bioRxiv. <https://doi.org/10.1101/2023.04.24.538082>
- Maya-Monteiro, C. M., Corrêa-da-Silva, F., Hofmann, S. S., Hesselink, M. K. C., la Fleur, S. E., & Yi, C.-X. (2021). Lipid Droplets Accumulate in the Hypothalamus of Mice and Humans with and without Metabolic Diseases. *Neuroendocrinology*, *111*(3), 263–272. <https://doi.org/10.1159/000508735>
- Mazin, P., Xiong, J., Liu, X., Yan, Z., Zhang, X., Li, M., He, L., Somel, M., Yuan, Y., Phoebe Chen, Y.-P., Li, N., Hu, Y., Fu, N., Ning, Z., Zeng, R., Yang, H., Chen, W., Gelfand, M., & Khaitovich, P. (2013). Widespread splicing changes in human brain development and aging. *Molecular Systems Biology*, *9*(1), n/a-n/a. <https://doi.org/10.1038/msb.2012.67>
- Melief, J., de Wit, S. J., van Eden, C. G., Teunissen, C., Hamann, J., Uitdehaag, B. M., Swaab, D., & Huitinga, I. (2013). HPA axis activity in multiple sclerosis correlates with disease severity, lesion type and gene expression in normal-appearing white matter. *Acta Neuropathologica*, *126*(2), 237–249.
- Melief, J., Koper, J., Endert, E., Møller, H., Hamann, J., Uitdehaag, B., & Huitinga, I. (2016). Glucocorticoid receptor haplotypes conferring increased sensitivity (BclI and N363S) are associated with faster progression of multiple sclerosis. *Journal of Neuroimmunology*, *299*, 84–89. <https://doi.org/10.1016/j.jneuroim.2016.08.019>
- Melief, J., Orre, M., Bossers, K., van Eden, C. G., Schuurman, K. G., Mason, M. R. J., Verhaagen, J., Hamann, J., & Huitinga, I. (2019). Transcriptome analysis of normal-appearing white matter reveals cortisol- and disease-associated gene expression profiles in multiple sclerosis. *Acta Neuropathologica Communications*, *7*(1), 60. <https://doi.org/10.1186/s40478-019-0705-7>
- Melief, J., Schuurman, K. G., Garde, M. D., Smolders, J., Eijk, M., Hamann, J., & Huitinga, I. (2013). Microglia in normal appearing white matter of multiple sclerosis are alerted but immunosuppressed. *Glia*, *61*(11), 1848–1861.
- Melief, J., Sneebouer, M. a. M., Litjens, M., Ormel, P. R., Palmen, S. J. M. C., Huitinga, I., Kahn, R. S., Hol, E. M., Witte, D., & D, L. (2016). Characterizing primary human microglia: A comparative study with myeloid subsets and culture models. *Glia*, *64*(11), 1857–1868. <https://doi.org/10.1002/glia.23023>

- Menden, K., Francescato, M., Nyima, T., Blauwendraat, C., Dhingra, A., Castillo-Lizardo, M., Fernandes, N., Kaurani, L., Kronenberg-Versteeg, D., Atasu, B., Sadikoglou, E., Borroni, B., Rodriguez-Nieto, S., Simon-Sanchez, J., Fischer, A., Craig, D. W., Neumann, M., Bonn, S., Rizzu, P., & Heutink, P. (2023). A multi-omics dataset for the analysis of frontotemporal dementia genetic subtypes. *Scientific Data*, *10*(1), Article 1. <https://doi.org/10.1038/s41597-023-02598-x>
- Menzel, L., Paterka, M., Bittner, S., White, R., Bobkiewicz, W., Horssen, J. van, Schachner, M., Witsch, E., Kuhlmann, T., Zipp, F., & Schäfer, M. K. E. (2016). Down-regulation of neuronal L1 cell adhesion molecule expression alleviates inflammatory neuronal injury. *Acta Neuropathologica*, *132*(5), 703–720. <https://doi.org/10.1007/s00401-016-1607-4>
- Menzel, M., & Pereira, S. F. (2020). Coherent Fourier scatterometry reveals nerve fiber crossings in the brain. *Biomedical Optics Express*, *11*(8), 4735–4758. <https://doi.org/10.1364/BOE.397604>
- Menzel, M., Reuter, J. A., Gräbel, D., Huwer, M., Schlömer, P., Amunts, K., & Axer, M. (2021). Scattered Light Imaging: Resolving the substructure of nerve fiber crossings in whole brain sections with micrometer resolution. *NeuroImage*, *233*, 117952. <https://doi.org/10.1016/j.neuroimage.2021.117952>
- Menzel, M., Ritzkowski, M., Reuter, J. A., Gräbel, D., Amunts, K., & Axer, M. (2021). Scatterometry Measurements With Scattered Light Imaging Enable New Insights Into the Nerve Fiber Architecture of the Brain. *Frontiers in Neuroanatomy*, *15*, 767223. <https://doi.org/10.3389/fnana.2021.767223>
- Merlini, M., Kirabali, T., Kulic, L., Nitsch, R. M., & Ferretti, M. T. (2018). Extravascular CD3+ T Cells in Brains of Alzheimer Disease Patients Correlate with Tau but Not with Amyloid Pathology: An Immunohistochemical Study. *Neurodegenerative Diseases*, *18*(1), 49–56. <https://doi.org/10.1159/000486200>
- Merlini, M., Wanner, D., & Nitsch, R. M. (2016). Tau pathology-dependent remodelling of cerebral arteries precedes Alzheimer's disease-related microvascular cerebral amyloid angiopathy. *Acta Neuropathologica*, *131*(5), 737–752. <https://doi.org/10.1007/s00401-016-1560-2>
- Mészáros, L., Riemenschneider, M. J., Gassner, H., Marxreiter, F., von Hörsten, S., Hoffmann, A., & Winkler, J. (2021). Human alpha-synuclein overexpressing MBP29 mice mimic functional and structural hallmarks of the cerebellar subtype of multiple system atrophy. *Acta Neuropathologica Communications*, *9*(1), 68. <https://doi.org/10.1186/s40478-021-01166-x>
- Metselaar, D. S., du Chatinier, A., Meel, M. H., ter Huizen, G., Waranecki, P., Goulding, J. R., Bugiani, M., Koster, J., Kaspers, G. J. L., & Hulleman, E. (2022). AURKA and PLK1 inhibition selectively and synergistically block cell cycle progression in diffuse midline glioma. *iScience*, *25*(6), 104398. <https://doi.org/10.1016/j.isci.2022.104398>
- Michailidou, I., Naessens, D. M. P., Hametner, S., Guldenaar, W., Kooi, E.-J., Geurts, J. J. G., Baas, F., Lassmann, H., & Ramaglia, V. (2017). Complement C3 on microglial clusters in multiple sclerosis occur in chronic but not acute disease: Implication for disease pathogenesis: Complement C3 and Microglial Clusters in MS. *Glia*, *65*(2), 264–277. <https://doi.org/10.1002/glia.23090>
- Michailidou, I., Willems, J. G., Kooi, E., van Eden, C., Gold, S. M., Geurts, J. J., Baas, F., Huitinga, I., & Ramaglia, V. (2015). Complement C1q-C3-associated synaptic changes in multiple sclerosis hippocampus. *Annals of Neurology*, *77*(6), 1007–1026.

- Miedema, A., Gerrits, E., Brouwer, N., Jiang, Q., Kracht, L., Meijer, M., Nutma, E., Peferoen-Baert, R., Pijnacker, A. T. E., Wesseling, E. M., Wijering, M. H. C., Gabius, H.-J., Amor, S., Eggen, B. J. L., & Kooistra, S. M. (2021). Brain macrophages acquire distinct transcriptomes prior to demyelination in multiple sclerosis. *bioRxiv*, 2021.10.27.465877. <https://doi.org/10.1101/2021.10.27.465877>
- Miedema, A., Gerrits, E., Brouwer, N., Jiang, Q., Kracht, L., Meijer, M., Nutma, E., Peferoen-Baert, R., Pijnacker, A. T. E., Wesseling, E. M., Wijering, M. H. C., Gabius, H.-J., Amor, S., Eggen, B. J. L., & Kooistra, S. M. (2022). Brain macrophages acquire distinct transcriptomes in multiple sclerosis lesions and normal appearing white matter. *Acta Neuropathologica Communications*, 10(1), 8. <https://doi.org/10.1186/s40478-021-01306-3>
- Miedema, S. S. M., Mol, M. O., Koopmans, F. T. W., Hondius, D. C., van Nierop, P., Menden, K., de Veij Mestdagh, C. F., van Rooij, J., Ganz, A. B., Paliukhovich, I., Melhem, S., Li, K. W., Holstege, H., Rizzu, P., van Kesteren, R. E., van Swieten, J. C., Heutink, P., & Smit, A. B. (2022). Distinct cell type-specific protein signatures in GRN and MAPT genetic subtypes of frontotemporal dementia. *Acta Neuropathologica Communications*, 10(1), 100. <https://doi.org/10.1186/s40478-022-01387-8>
- Mikkelsen, J. D., Kaad, S., Aripaka, S. S., & Finsen, B. (2023). Synaptic vesicle glycoprotein 2A (SV2A) levels in the cerebral cortex in patients with Alzheimer's disease: A radioligand binding study in postmortem brains. *Neurobiology of Aging*, 129, 50–57. <https://doi.org/10.1016/j.neurobiolaging.2023.05.003>
- Mikkelsen, J., Kaad, S., Aripaka, S. S., & Finsen, B. (2022). *Synaptic Vesicle Glycoprotein 2A (SV2A) Levels in the Cerebral Cortex in Patients with Alzheimer Disease: A Radioligand Binding Study in Post-Mortem Brains* (SSRN Scholarly Paper 4297860). <https://doi.org/10.2139/ssrn.4297860>
- Miranda-Azpiazu, P., Svedberg, M., Higuchi, M., Ono, M., Jia, Z., Sunnemark, D., Elmore, C. S., Schou, M., & Varrone, A. (2020). Identification and in vitro characterization of C05-01, a PBB3 derivative with improved affinity for alpha-synuclein. *Brain Research*, 1749, 147131. <https://doi.org/10.1016/j.brainres.2020.147131>
- Misriellal, C., Alsema, A. M., Wijering, M. H. C., Miedema, A., Mauthe, M., Reggiori, F., & Eggen, B. J. L. (2022). Transcriptomic changes in autophagy-related genes are inversely correlated with inflammation and are associated with multiple sclerosis lesion pathology. *Brain, Behavior, & Immunity - Health*, 25, 100510. <https://doi.org/10.1016/j.bbih.2022.100510>
- Mitterreiter, J. G., Ouwendijk, W. J. D., van Velzen, M., van Nierop, G. P., Osterhaus, A. D. M. E., & Verjans, G. M. G. M. (2017). Satellite glial cells in human trigeminal ganglia have a broad expression of functional Toll-like receptors. *European Journal of Immunology*, 47(7), 1181–1187. <https://doi.org/10.1002/eji.201746989>
- Miyashita, A., Koike, A., Jun, G., Wang, L.-S., Takahashi, S., Matsubara, E., Kawarabayashi, T., Shoji, M., Tomita, N., Arai, H., Asada, T., Harigaya, Y., Ikeda, M., Amari, M., Hanyu, H., Higuchi, S., Ikeuchi, T., Nishizawa, M., Suga, M., ... The Alzheimer Disease Genetics Consortium. (2013). SORL1 Is Genetically Associated with Late-Onset Alzheimer's Disease in Japanese, Koreans and Caucasians. *PLoS ONE*, 8(4), e58618. <https://doi.org/10.1371/journal.pone.0058618>
- Mizee, M. R., Nijland, P. G., Pol, S. M. A., Drexhage, J. A. R., Hof, B., Mebius, R., Valk, P., Horssen, J., Reijerkerk, A., & Vries, H. E. (2014). Astrocyte-derived retinoic acid: A novel regulator of blood–brain barrier function in multiple sclerosis. *Acta Neuropathologica*, 128(5), 691–703. <https://doi.org/10.1007/s00401-014-1335-6>

- Mizee, M. R., Poel, M. van der, & Huitinga, I. (2018). Purification of cells from fresh human brain tissue: Primary human glial cells. In I. Huitinga & M. J. Webster (Eds.), *Handbook of Clinical Neurology* (Vol. 150, pp. 273–283). Elsevier. <https://doi.org/10.1016/B978-0-444-63639-3.00019-0>
- Moeton, M., Stassen, O. M. J. A., Sluijs, J. A., Meer, V. W. N. van der, Kluivers, L. J., Hoorn, H. van, Schmidt, T., Reits, E. A. J., Strien, M. E. van, & Hol, E. M. (2016). GFAP isoforms control intermediate filament network dynamics, cell morphology, and focal adhesions. *Cellular and Molecular Life Sciences*, *73*(21), 4101–4120. <https://doi.org/10.1007/s00018-016-2239-5>
- Mofrad, R. B., del Campo, M., Peeters, C. F. W., Meeter, L. H. H., Seelaar, H., Koel-Simmelink, M., Ramakers, I. H. G. B., Middelkoop, H. A. M., De Deyn, P. P., Claassen, J. A. H. R., van Swieten, J. C., Bridel, C., Hoozemans, J. J. M., Scheltens, P., van der Flier, W. M., Pijnenburg, Y. A. L., & Teunissen, C. E. (2022). Plasma proteome profiling identifies changes associated to AD but not to FTD. *Acta Neuropathologica Communications*, *10*(1), 148. <https://doi.org/10.1186/s40478-022-01458-w>
- Mohan, H., Friese, A., Albrecht, S., Krumbholz, M., Elliott, C. L., Arthur, A., Menon, R., Farina, C., Junker, A., Stadelmann, C., Barnett, S. C., Huitinga, I., Wekerle, H., Hohlfeld, R., Lassmann, H., Kuhlmann, T., Linington, C., & Meinl, E. (2014). Transcript profiling of different types of multiple sclerosis lesions yields FGF1 as a promoter of remyelination. *Acta Neuropathologica Communications*, *2*(1), 1–18. <https://doi.org/10.1186/s40478-014-0168-9>
- Mok, K. Y., Jones, E. L., Hanney, M., Harold, D., Sims, R., Williams, J., Ballard, C., & Hardy, J. (2014). Polymorphisms in BACE2 may affect the age of onset Alzheimer’s dementia in Down syndrome. *Neurobiology of Aging*, *35*(6), 1513-e1.
- Mol, M. O., Miedema, S. S. M., Melhem, S., Li, K. W., Koopmans, F., Seelaar, H., Gottmann, K., Lessmann, V., Bank, N. B., Smit, A. B., van Swieten, J. C., & van Rooij, J. G. J. (2022). Proteomics of the dentate gyrus reveals semantic dementia specific molecular pathology. *Acta Neuropathologica Communications*, *10*(1), 190. <https://doi.org/10.1186/s40478-022-01499-1>
- Mol, M. O., Nijmeijer, S. W. R., van Rooij, J. G. J., van Spaendonk, R. M. L., Pijnenburg, Y. A. L., van der Lee, S. J., van Minkelen, R., Donker Kaat, L., Rozemuller, A. J. M., Janse van Mantgem, M. R., van Rheenen, W., van Es, M. A., Veldink, J. H., Hennekam, F. A. M., Vernooij, M., van Swieten, J. C., Cohn-Hokke, P. E., Seelaar, H., & Dopper, E. G. P. (2021). Distinctive pattern of temporal atrophy in patients with frontotemporal dementia and the I383V variant in *TARDBP*. *Journal of Neurology, Neurosurgery & Psychiatry*, *92*(7), 787–789. <https://doi.org/10.1136/jnnp-2020-325150>
- Mol, M. O., van der Lee, S. J., Hulsman, M., Pijnenburg, Y. A. L., Scheltens, P., Seelaar, H., van Swieten, J. C., Kaat, L. D., Holstege, H., van Rooij, J. G. J., & Netherlands Brain Bank. (2022). Mapping the genetic landscape of early-onset Alzheimer’s disease in a cohort of 36 families. *Alzheimer’s Research & Therapy*, *14*(1), 77. <https://doi.org/10.1186/s13195-022-01018-3>
- Mol, M. O., van Rooij, J. G. J., Brusse, E., Verkerk, A. J. M. H., Melhem, S., den Dunnen, W. F. A., Rizzu, P., Cupidi, C., van Swieten, J. C., & Donker Kaat, L. (2020). Clinical and pathologic phenotype of a large family with heterozygous STUB1 mutation. *Neurology: Genetics*, *6*(3). <https://doi.org/10.1212/NXG.0000000000000417>
- Mol, M. O., van Rooij, J. G. J., Wong, T. H., Melhem, S., Verkerk, A. J. M. H., Kievit, A. J. A., van Minkelen, R., Rademakers, R., Pottier, C., Kaat, L. D., Seelaar, H., van Swieten, J. C., & Dopper, E. G. P. (2021). Underlying genetic variation in familial frontotemporal dementia: Sequencing of 198

- patients. *Neurobiology of Aging*, 97, 148.e9-148.e16.
<https://doi.org/10.1016/j.neurobiolaging.2020.07.014>
- Mol, M. O., Wong, T. H., Melhem, S., Basu, S., Viscusi, R., Galjart, N., Rozemuller, A. J. M., Fallini, C., Landers, J. E., Kaat, L. D., Seelaar, H., van Rooij, J. G. J., & van Swieten, J. C. (2021). Novel *TUBA4A* Variant Associated With Familial Frontotemporal Dementia. *Neurology Genetics*, 7(3), e596. <https://doi.org/10.1212/NXG.0000000000000596>
- Molen, L. van der, Lieshout, V. van, Bol, J., Timmermans-Huisman, E., Dam, A.-M. van, Drukarch, B., & Wilhelmus, M. (2021). Distribution of Microglial Activation Status in the Substantia Nigra of Control, Incidental Lewy Body Disease and Parkinson's Disease Cases. *University of Toronto Medical Journal*, 98(3), Article 3. <https://www.utmj.org/index.php/UTMJ/article/view/1467>
- Monti, C., Colugnat, I., Lopiano, L., Chiò, A., & Alberio, T. (2018). Network Analysis Identifies Disease-Specific Pathways for Parkinson's Disease. *Molecular Neurobiology*, 55(1), 370–381.
<https://doi.org/10.1007/s12035-016-0326-0>
- Monti, G., Kjolby, M., Jensen, A. M. G., Allen, M., Reiche, J., Møller, P. L., Comaposada-Baró, R., Zolkowski, B. E., Vieira, C., Jørgensen, M. M., Holm, I. E., Valdmanis, P. N., Wellner, N., Vægter, C. B., Lincoln, S. J., Nykjær, A., Ertekin-Taner, N., Young, J. E., Nyegaard, M., & Andersen, O. M. (2021). Expression of an alternatively spliced variant of *SORL1* in neuronal dendrites is decreased in patients with Alzheimer's disease. *Acta Neuropathologica Communications*, 9(1), 43.
<https://doi.org/10.1186/s40478-021-01140-7>
- Montilla, A., Zabala, A., Calvo, I., Mata, P., Tomé, I., Koster, M., Sierra, A., Kooistra, S. M., Soria, F. N., Eggen, B. J. L., Fresnedo, O., Fernández, J. A., Tepavcevic, V., Matute, C., & Domercq, M. (2023). *IRF5 regulates microglial myelin clearance and cholesterol metabolism after demyelination* (p. 2023.08.14.553274). bioRxiv. <https://doi.org/10.1101/2023.08.14.553274>
- Moors, T. E., Maat, C. A., Niedieker, D., Mona, D., Petersen, D., Timmermans-Huisman, E., Kole, J., El-Mashtoly, S. F., Spycher, L., Zago, W., Barbour, R., Mundigl, O., Kaluza, K., Huber, S., Hug, M. N., Kremer, T., Ritter, M., Dziadek, S., Geurts, J. J. G., ... Berg, W. D. J. van de. (2019a). Subcellular orchestration of alpha-synuclein variants in Parkinson's disease brains revealed by 3D multicolor STED microscopy. *bioRxiv*, 470476. <https://doi.org/10.1101/470476>
- Moors, T. E., Maat, C. A., Niedieker, D., Mona, D., Petersen, D., Timmermans-Huisman, E., Kole, J., El-Mashtoly, S. F., Spycher, L., Zago, W., Barbour, R., Mundigl, O., Kaluza, K., Huber, S., Hug, M. N., Kremer, T., Ritter, M., Dziadek, S., Geurts, J. J. G., ... Berg, W. D. J. van de. (2019b). The orchestration of subcellular alpha-synuclein pathology in the Parkinson's disease brain revealed by STED microscopy. *bioRxiv*, 470476. <https://doi.org/10.1101/470476>
- Moors, T. E., Maat, C. A., Niedieker, D., Mona, D., Petersen, D., Timmermans-Huisman, E., Kole, J., El-Mashtoly, S. F., Spycher, L., Zago, W., Barbour, R., Mundigl, O., Kaluza, K., Huber, S., Hug, M. N., Kremer, T., Ritter, M., Dziadek, S., Geurts, J. J. G., ... van de Berg, W. D. J. (2021). The subcellular arrangement of alpha-synuclein proteoforms in the Parkinson's disease brain as revealed by multicolor STED microscopy. *Acta Neuropathologica*, 142(3), 423–448.
<https://doi.org/10.1007/s00401-021-02329-9>
- Moors, T. E., Maat, C. A., Niedieker, D., Mona, D., Petersen, D., Timmermans-Huisman, E., Kole, J., El-Mashtoly, S. F., Zago, W., Barbour, R., Mundigl, O., Kaluza, K., Huber, S., Hug, M. N., Kremer, T., Ritter, M., Dziadek, S., Geurts, J. J. G., Gerwert, K., ... Berg, W. D. J. van de. (2018). Detailed

- structural orchestration of Lewy pathology in Parkinson's disease as revealed by 3D multicolor STED microscopy. *bioRxiv*, 470476. <https://doi.org/10.1101/470476>
- Moors, T. E., Mona, D., Luehe, S., Duran-Pacheco, G., Spycher, L., Mundigl, O., Kaluza, K., Huber, S., Hug, M. N., Kremer, T., Ritter, M., Dziadek, S., Dernick, G., van de Berg, W. D. J., & Britschgi, M. (2022). Multi-platform quantitation of alpha-synuclein human brain proteoforms suggests disease-specific biochemical profiles of synucleinopathies. *Acta Neuropathologica Communications*, 10(1), 82. <https://doi.org/10.1186/s40478-022-01382-z>
- Moors, T. E., Morella, M. L., Bertran-Cobo, C., Geut, H., Udayar, V., Timmermans-Huisman, E., Ingrassia, A. M., Brevé, J. J., Bol, J. G., Bonifati, V., Jagasia, R., & Berg, W. D. van de. (2023). *Altered TFEB subcellular localization in nigral dopaminergic neurons of subjects with prodromal, sporadic and GBA-related Parkinson's disease and Dementia with Lewy bodies* (p. 2023.07.16.549189). *bioRxiv*. <https://doi.org/10.1101/2023.07.16.549189>
- Moors, T. E., Paciotti, S., Ingrassia, A., Quadri, M., Breedveld, G., Tasegian, A., Chiasserini, D., Eusebi, P., Duran-Pacheco, G., Kremer, T., Calabresi, P., Bonifati, V., Parnetti, L., Beccari, T., & van de Berg, W. D. J. (2019). Characterization of Brain Lysosomal Activities in GBA-Related and Sporadic Parkinson's Disease and Dementia with Lewy Bodies. *Molecular Neurobiology*, 56(2), 1344–1355. <https://doi.org/10.1007/s12035-018-1090-0>
- Morales-Ropero, J. M., Arroyo-Urea, S., Neubrand, V. E., Martín-Oliva, D., Marín-Teva, J. L., Cuadros, M. A., Vangheluwe, P., Navascués, J., Mata, A. M., & Sepúlveda, M. R. (2021). The endoplasmic reticulum Ca²⁺-ATPase SERCA2b is upregulated in activated microglia and its inhibition causes opposite effects on migration and phagocytosis. *Glia*, 69(4), 842–857. <https://doi.org/10.1002/glia.23931>
- Moreno-Delgado, D., Puigdel·l·ivol, M., Moreno, E., Rodríguez-Ruiz, M., Botta, J., Gasperini, P., Chiarlone, A., Howell, L. A., Scarselli, M., Casadó, V., Cortés, A., Ferré, S., Guzmán, M., Lluís, C., Alberch, J., Canela, E., Ginés, S., & McCormick, P. J. (2019). Modulation of dopamine D1 receptors via histamine H3 receptors is a novel therapeutic target for Huntington's disease. *bioRxiv*, 837658. <https://doi.org/10.1101/837658>
- Moreno-Delgado, D., Puigdel·l·ivol, M., Moreno, E., Rodríguez-Ruiz, M., Botta, J., Gasperini, P., Chiarlone, A., Howell, L. A., Scarselli, M., Casadó, V., Cortés, A., Ferré, S., Guzmán, M., Lluís, C., Alberch, J., Canela, E. I., Ginés, S., & McCormick, P. J. (2020). Modulation of dopamine D1 receptors via histamine H3 receptors is a novel therapeutic target for Huntington's disease. *eLife*, 9, e51093. <https://doi.org/10.7554/eLife.51093>
- Motaln, H., Čerček, U., Yamoah, A., Tripathi, P., Aronica, E., Goswami, A., & Rogelj, B. (2023). Abl kinase-mediated FUS Tyr526 phosphorylation alters nucleocytoplasmic FUS localization in FTLD-FUS. *Brain*, 146(10), 4088–4104. <https://doi.org/10.1093/brain/awad130>
- Moursel, L. G., Graaf, L. M. van der, Bulk, M., Roon-Mom, W. M. C. van, & Weerd, L. van der. (2019). Osteopontin and phospho-SMAD2/3 are associated with calcification of vessels in D-CAA, an hereditary cerebral amyloid angiopathy. *Brain Pathology*, 29(6), 793–802. <https://doi.org/10.1111/bpa.12721>
- Moursel, L. G., Munting, L. P., Graaf, L. M. van der, Duinen, S. G. van, Goumans, M.-J. T. H., Ueberham, U., Natté, R., Buchem, M. A. van, Roon-Mom, W. M. C. van, & Weerd, L. van der. (2018). TGFβ pathway deregulation and abnormal phospho-SMAD2/3 staining in hereditary

- cerebral hemorrhage with amyloidosis-Dutch type. *Brain Pathology*, 28(4), 495–506. <https://doi.org/10.1111/bpa.12533>
- Mukherjee, S., Walter, S., Kauwe, J. S. K., Saykin, A. J., Bennett, D. A., Larson, E. B., Crane, P. K., & Glymour, M. M. (2015). Genetically predicted body mass index and Alzheimer's disease-related phenotypes in three large samples: Mendelian randomization analyses. *Alzheimer's & Dementia*, 11(12), 1439–1451. <https://doi.org/10.1016/j.jalz.2015.05.015>
- Mulder, S. D., Nielsen, H. M., Blankenstein, M. A., Eikelenboom, P., & Veerhuis, R. (2014). Apolipoproteins E and J interfere with amyloid-beta uptake by primary human astrocytes and microglia in vitro. *Glia*, 62(4), 493–503.
- Müller, M., Kuiperij, H. B., Claassen, J. A., Küsters, B., & Verbeek, M. M. (2014). MicroRNAs in Alzheimer's disease: Differential expression in hippocampus and cell-free cerebrospinal fluid. *Neurobiology of Aging*, 35(1), 152–158. <https://doi.org/10.1016/j.neurobiolaging.2013.07.005>
- Müller-Schiffmann, A., Torres, F., Kitaygorodskyy, A., Ramani, A., Alatzia, A., Tschirner, S., Prikulis, I., Yu, S., Dey, D., Bader, V., Rozemuller, A., Wray, S., Gopalakrishnan, J., Riek, R., Lingappa, V. R., & Korth, C. (2021). Macrophage migration inhibitory factor is a valid drug target at the intersection of herpes simplex virus 1 replication and Alzheimer's disease-relevant cellular pathology. *bioRxiv*, 2021.09.11.459903. <https://doi.org/10.1101/2021.09.11.459903>
- Murthy, M., Rizzu, P., Heutink, P., Mill, J., Lashley, T., & Bettencourt, C. (2023). Epigenetic Age Acceleration in Frontotemporal Lobar Degeneration: A Comprehensive Analysis in the Blood and Brain. *Cells*, 12(14), Article 14. <https://doi.org/10.3390/cells12141922>
- Myers, A. J., Williams, L., Gatt, J. M., McAuley-Clark, E. Z., Dobson-Stone, C., Schofield, P. R., & Nemeroff, C. B. (2014). Variation in the oxytocin receptor gene is associated with increased risk for anxiety, stress and depression in individuals with a history of exposure to early life stress. *Journal of Psychiatric Research*, 59, 93–100. <https://doi.org/10.1016/j.jpsychires.2014.08.021>
- Na, E., Jeon, Y., Kim, H., Kim, H.-S., Lee, K., & Kim, H.-J. (2022). *Translationally controlled tumor protein restores memory and synaptic function lost in animal models of dementia* [Preprint]. In Review. <https://doi.org/10.21203/rs.3.rs-1675650/v1>
- Nabuurs, R. J. A., Natte, R., de Ronde, F. M., Hegeman-Kleinn, I., Dijkstra, J., van Duinen, S. G., Webb, A. G., Rozemuller, A. J., van Buchem, M. A., & van der Weerd, L. (2013). MR microscopy of human amyloid-beta deposits: Characterization of parenchymal amyloid, diffuse plaques, and vascular amyloid. *Journal of Alzheimer's Disease : JAD*, 34(4), 1037–1049. <https://doi.org/10.3233/JAD-122215>
- Nag, S., Miranda-Azpiazu, P., Jia, Z., Datta, P., Arakawa, R., Moein, M. M., Yang, Z., Tu, Y., Lemoine, L., Ågren, H., Nordberg, A., Långström, B., & Halldin, C. (2022). Development of 11C-Labeled ASEM Analogues for the Detection of Neuronal Nicotinic Acetylcholine Receptors ($\alpha 7$ -nAChR). *ACS Chemical Neuroscience*, 13(3), 352–362. <https://doi.org/10.1021/acscchemneuro.1c00730>
- Naicker, M., Abbai, N., & Naidoo, S. (2019). Bipolar limbic expression of auto-immune thyroid targets: Thyroglobulin and thyroid-stimulating hormone receptor. *Metabolic Brain Disease*, 34(5), 1281–1298. <https://doi.org/10.1007/s11011-019-00437-w>
- Naj, A. C., Jun, G., Reitz, C., Kunkle, B. W., Perry, W., Park, Y., Beecham, G. W., Rajbhandary, R. A., Hamilton-Nelson, K. L., Wang, L.-S., Kauwe, J. S., Huentelman, M. J., Myers, A. J., Bird, T. D., Boeve, B. F., Baldwin, C. T., Jarvik, G. P., Crane, P. K., Rogava, E., ... Pericak-Vance, M. A. (2014). Age-at-

- Onset in Late Onset Alzheimer Disease is Modified by Multiple Genetic Loci. *JAMA Neurology*, 71(11), 1394–1404. PMC. <https://doi.org/10.1001/jamaneurol.2014.1491>
- Naj, A. C., Jun, G., Reitz, C., Kunkle, B. W., Perry, W., Park, Y. S., Beecham, G. W., Rajbhandary, R. A., Hamilton-Nelson, K. L., & Wang, L.-S. (2014). Effects of multiple genetic loci on age at onset in late-onset Alzheimer disease: A genome-wide association study. *JAMA Neurology*, 71(11), 1394–1404.
- Napoletano, F., Ferrari Bravo, G., Voto, I. A. P., Santin, A., Celora, L., Campaner, E., Dezi, C., Bertossi, A., Valentino, E., Santorsola, M., Rustighi, A., Fajner, V., Maspero, E., Ansaloni, F., Cancila, V., Valenti, C. F., Santo, M., Artimagnella, O. B., Finaurini, S., ... Del Sal, G. (2021). The prolyl-isomerase PIN1 is essential for nuclear Lamin-B structure and function and protects heterochromatin under mechanical stress. *Cell Reports*, 36(11), 109694. <https://doi.org/10.1016/j.celrep.2021.109694>
- Natarajan, K., Eisefeldt, J., Hammond, M., Laffita-Mesa, J. M., Patra, K., Khoshnood, B., Öijerstedt, L., & Graff, C. (2021). Single-cell multimodal analysis in a case with reduced penetrance of Progranulin- Frontotemporal Dementia. *Acta Neuropathologica Communications*, 9(1), 132. <https://doi.org/10.1186/s40478-021-01234-2>
- Navarro, E., Udine, E., Lopes, K. de P., Parks, M., Riboldi, G., Schilder, B. M., Humphrey, J., Snijders, G. J. L., Vialle, R. A., Zhuang, M., Sikder, T., Argyrou, C., Allan, A., Chao, M. J., Farrell, K., Henderson, B., Simon, S., Raymond, D., Elango, S., ... Raj, T. (2021). Dysregulation of mitochondrial and proteolysosomal genes in Parkinson's disease myeloid cells. *Nature Aging*, 1(9), 850–863. <https://doi.org/10.1038/s43587-021-00110-x>
- Navarro, P. P., Genoud, C., Castaño-Díez, D., Graff-Meyer, A., Lewis, A. J., Gier, Y. de, Lauer, M. E., Britschgi, M., Bohrmann, B., Frank, S., Hench, J., Schweighauser, G., Rozemuller, A. J. M., Berg, W. D. J. van de, Stahlberg, H., & Shahmoradian, S. H. (2018). Cerebral Corpora amylacea are dense membranous labyrinths containing structurally preserved cell organelles. *Scientific Reports*, 8(1), 1–13. <https://doi.org/10.1038/s41598-018-36223-4>
- N'diaye, M., Brauner, S., Flytzani, S., Kular, L., Warnecke, A., Adzemovic, M. Z., Picket, E., Min, J.-H., Edwards, W., Mela, F., Choi, H. Y., Magg, V., James, T., Linden, M., Reichardt, H. M., Daws, M. R., van Horsen, J., Kockum, I., Harris, R. A., ... Jagodic, M. (2020). C-type lectin receptors Mcl and Mincle control development of multiple sclerosis-like neuroinflammation. *Journal of Clinical Investigation*, 130(2), 838–852. <https://doi.org/10.1172/JCI125857>
- Nguyen, T. B., Miramontes, R., Chillon-Marinias, C., Maimon, R., Vazquez-Sanchez, S., Lau, A. L., McClure, N. R., England, W. E., Singha, M., Stocksdales, J. T., Jang, K.-H., Jung, S., McKnight, J. I., Ho, L. N., Faull, R. L. M., Steffan, J. S., Reidling, J. C., Jang, C., Lee, G., ... Thompson, L. M. (2023). *Aberrant splicing in Huntington's disease via disrupted TDP-43 activity accompanied by altered m6A RNA modification* [Preprint]. Neuroscience. <https://doi.org/10.1101/2023.10.31.565004>
- Ni, R., Gillberg, P.-G., Bergfors, A., Marutle, A., & Nordberg, A. (2013). Amyloid tracers detect multiple binding sites in Alzheimer's disease brain tissue. *Brain*, 136(7), 2217–2227. <https://doi.org/10.1093/brain/awt142>
- Ni, R., Gillberg, P.-G., Bogdanovic, N., Viitanen, M., Myllykangas, L., Nennesmo, I., Långström, B., & Nordberg, A. (2017). Amyloid tracers binding sites in autosomal dominant and sporadic Alzheimer's disease. *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, 13(4), 419–430. <https://doi.org/10.1016/j.jalz.2016.08.006>

- Ni, R., Marutle, A., & Nordberg, A. (2013). Modulation of $\alpha 7$ nicotinic acetylcholine receptor and fibrillar amyloid- β interactions in Alzheimer's disease brain. *Journal of Alzheimer's Disease*, 33(3), 841–851.
- Ni, R., Röjdner, J., Voytenko, L., Dyrks, T., Thiele, A., Marutle, A., & Nordberg, A. (2021). In vitro Characterization of the Regional Binding Distribution of Amyloid PET Tracer Florbetaben and the Glia Tracers Deprenyl and PK11195 in Autopsy Alzheimer's Brain Tissue. *Journal of Alzheimer's Disease*, 80(4), 1723–1737. <https://doi.org/10.3233/JAD-201344>
- Nicholatos, J. W., Groot, J., Dhokai, S., Tran, D., Hrdlicka, L., Carlile, T. M., Bennion, M., Dalkilic-Liddle, I., Hirst, W. D., & Weihofen, A. (2021). SCD Inhibition Protects from α -Synuclein-Induced Neurotoxicity But Is Toxic to Early Neuron Cultures. *eNeuro*, 8(4), ENEURO.0166-21.2021. <https://doi.org/10.1523/ENEURO.0166-21.2021>
- Nicholatos, J. W., Tran, D., Liu, Y., Hirst, W. D., & Weihofen, A. (2022). Lysophosphatidylcholine acyltransferase 1 promotes pathology and toxicity in two distinct cell-based alpha-synuclein models. *Neuroscience Letters*, 772, 136491. <https://doi.org/10.1016/j.neulet.2022.136491>
- Nichterwitz, S., Chen, G., Benitez, J. A., Yilmaz, M., Storvall, H., Cao, M., Sandberg, R., Deng, Q., & Hedlund, E. (2016). Laser capture microscopy coupled with Smart-seq2 for precise spatial transcriptomic profiling. *Nature Communications*, 7, 12139. <https://doi.org/10.1038/ncomms12139>
- Nicolas, A., Grenier-Boley, B., Sherva, R., Kim, Y., Kikuchi, M., Rojas, I. de, Dalmasso, C., Zhou, X., Guen, Y. L., Arboleda-Bustos, C. E., Bicalho, M. A. C., Guerchet, M., Lee, S. van der, Goss, M., Castillo, A., Bellenguez, C., Küçükali, F., Barrera, C. S., Fongang, B., ... Lambert, J.-C. (2023). *Transferability of a European-derived Alzheimer's Disease Genetic Risk Score across Multi-Ancestry Populations* (p. 2023.10.17.23297061). medRxiv. <https://doi.org/10.1101/2023.10.17.23297061>
- Nicolas, G., Acuña-Hidalgo, R., Keogh, M. J., Quenez, O., Steehouwer, M., Lelieveld, S., Rousseau, S., Richard, A.-C., Oud, M. S., Marguet, F., Laquerrière, A., Morris, C. M., Attems, J., Smith, C., Ansoerge, O., Al Sarraj, S., Frebourg, T., Campion, D., Hannequin, D., ... Hoischen, A. (2018). Somatic variants in autosomal dominant genes are a rare cause of sporadic Alzheimer's disease. *Alzheimer's & Dementia*, 14(12), 1632–1639. <https://doi.org/10.1016/j.jalz.2018.06.3056>
- Nido, G. S., Castelli, M., Mostafavi, S., Rubiolo, A., Shadad, O., Alves, G., Tysnes, O.-B., Dölle, C., & Tzoulis, C. (2023). *Single-nucleus transcriptomics reveals disease- and pathology-specific signatures in α -synucleinopathies* [Preprint]. *Neurology*. <https://doi.org/10.1101/2023.10.10.23296642>
- Nido, G. S., Dick, F., Toker, L., Petersen, K., Alves, G., Tysnes, O.-B., Jonassen, I., Haugarvoll, K., & Tzoulis, C. (2019). Common gene expression signatures in Parkinson's disease are driven by changes in cell composition. *bioRxiv*, 778910. <https://doi.org/10.1101/778910>
- Nido, G. S., Dick, F., Toker, L., Petersen, K., Alves, G., Tysnes, O.-B., Jonassen, I., Haugarvoll, K., & Tzoulis, C. (2020). Common gene expression signatures in Parkinson's disease are driven by changes in cell composition. *Acta Neuropathologica Communications*, 8. <https://doi.org/10.1186/s40478-020-00932-7>
- Nielsen, H. M., Ek, D., Avdic, U., Orbjörn, C., Hansson, O., Veerhuis, R., Rozemuller, A. J., Brun, A., Minthon, L., & Wennström, M. (2013). NG2 cells, a new trail for Alzheimer's disease mechanisms? *Acta Neuropathologica Communications*, 1(1), 1–13. <https://doi.org/10.1186/2051-5960-1-7>

- Nierop, G. P. van, Luijn, M. M. van, Michels, S. S., Melief, M.-J., Janssen, M., Langerak, A. W., Ouwendijk, W. J. D., Hintzen, R. Q., & Verjans, G. M. G. M. (2017). Phenotypic and functional characterization of T cells in white matter lesions of multiple sclerosis patients. *Acta Neuropathologica*, *134*(3), 383–401. <https://doi.org/10.1007/s00401-017-1744-4>
- Nies, V. J. M., Struik, D., Wolfs, M. G. M., Rensen, S. S., Szalowska, E., Unmehopa, U. A., Fluiter, K., van der Meer, T. P., Hajmoussa, G., Buurman, W. A., Greve, J. W., Rezaee, F., Shiri-Sverdlov, R., Vonk, R. J., Swaab, D. F., Wolffenbuttel, B. H. R., Jonker, J. W., & van Vliet-Ostaptchouk, J. V. (2018). TUB gene expression in hypothalamus and adipose tissue and its association with obesity in humans. *International Journal of Obesity*, *42*(3), 376–383. <https://doi.org/10.1038/ijo.2017.214>
- Nijholt, D. A., Nölle, A., van Haastert, E. S., Edelij, H., Toonen, R. F., Hoozemans, J. J., & Scheper, W. (2013). Unfolded protein response activates glycogen synthase kinase-3 via selective lysosomal degradation. *Neurobiology of Aging*.
- Nijholt, D. A. T., Ijsselstijn, L., van der Weiden, M. M., Zheng, P.-P., Sillevs Smitt, P. A. E., Koudstaal, P. J., Luider, T. M., & Kros, J. M. (2015). Pregnancy Zone Protein is Increased in the Alzheimer's Disease Brain and Associates with Senile Plaques. *Journal of Alzheimer's Disease : JAD*, *46*(1), 227–238. <https://doi.org/10.3233/JAD-131628>
- Nijland, P. G., Michailidou, I., Witte, M. E., Mizze, M. R., van der Pol, S. M. A., van het Hof, B., Reijkerkerk, A., Pellerin, L., van der Valk, P., de Vries, H. E., & van Horssen, J. (2014). Cellular distribution of glucose and monocarboxylate transporters in human brain white matter and multiple sclerosis lesions. *Glia*, *62*(7), 1125–1141. <https://doi.org/10.1002/glia.22667>
- Nijland, P. G., Molenaar, R. J., van der Pol, S. M. A., van der Valk, P., van Noorden, C. J. F., de Vries, H. E., & van Horssen, J. (2015). Differential expression of glucose-metabolizing enzymes in multiple sclerosis lesions. *Acta Neuropathologica Communications*, *3*(1), 1–13. <https://doi.org/10.1186/s40478-015-0261-8>
- Nijland, P. G., Witte, M. E., van het Hof, B., van der Pol, S., Bauer, J., Lassmann, H., van der Valk, P., de Vries, H. E., & van Horssen, J. (2014). Astroglial PGC-1alpha increases mitochondrial antioxidant capacity and suppresses inflammation: Implications for multiple sclerosis. *Acta Neuropathologica Communications*, *2*(1), 1–13. <https://doi.org/10.1186/s40478-014-0170-2>
- Niklasson, B., Lindquist, L., Klitz, W., Fredrikson, S., Morgell, R., Mohammadi, R., Netherlands Brain Bank, Karapetyan, Y., & Englund, E. (2022). Picornavirus May Be Linked to Parkinson's Disease through Viral Antigen in Dopamine-Containing Neurons of Substantia Nigra. *Microorganisms*, *10*(3), Article 3. <https://doi.org/10.3390/microorganisms10030599>
- Ning, Z., McLellan, A. S., Ball, M., Wynne, F., O'Neill, C., Mills, W., Quinn, J. P., Kleinjan, D. A., Anney, R. J., Carmody, R. J., O'Keeffe, G., & Moore, T. (2015). Regulation of SPRY3 by X chromosome and PAR2-linked promoters in an autism susceptibility region. *Human Molecular Genetics*, *24*(18), 5126–5141. <https://doi.org/10.1093/hmg/ddv231>
- Nizzardo, M., Taiana, M., Rizzo, F., Aguila Benitez, J., Nijssen, J., Allodi, I., Melzi, V., Bresolin, N., Comi, G. P., Hedlund, E., & Corti, S. (2020). Synaptotagmin 13 is neuroprotective across motor neuron diseases. *Acta Neuropathologica*, *139*(5), 837–853. <https://doi.org/10.1007/s00401-020-02133-x>
- Noelker, C., Morel, L., Lescot, T., Osterloh, A., varez-Fischer, D., Breloer, M., Henze, C., Depboylu, C., Skrzydelski, D., Michel, P. P., Dodel, R. C., Lu, L., Hirsch, E. C., Hunot, S., & Hartman, A. (2013). Toll

- like receptor 4 mediates cell death in a mouse MPTP model of Parkinson disease. *Sci Rep*, 3. <https://doi.org/10.1038/srep01393>
- Nolle, A., van Dijken, I., Waelti, C. M., Calini, D., Bryois, J., Lezan, E., Golling, S., Augustin, A., Foo, L., & Hoozemans, J. J. M. (2021). Enrichment of Glial Cells From Human Post-mortem Tissue for Transcriptome and Proteome Analysis Using Immunopanning. *Frontiers in Cellular Neuroscience*, 15, 772011. <https://doi.org/10.3389/fncel.2021.772011>
- Nölle, A., van Haastert, E. S., Zwart, R., Hoozemans, J. J. M., & Scheper, W. (2013). Ubiquilin 2 Is Not Associated with Tau Pathology. *PLoS ONE*, 8(9), e76598. <https://doi.org/10.1371/journal.pone.0076598>
- Norden, D. M., & Godbout, J. P. (2013). Review: Microglia of the aged brain: Primed to be activated and resistant to regulation. *Neuropathol Appl Neurobiol*, 39. <https://doi.org/10.1111/j.1365-2990.2012.01306.x>
- Nordengen, K., Cappelletti, C., Bahrami, S., Frei, O., Pihlstrøm, L., Henriksen, S. P., Geut, H., Rozemuller, A. J. M., van de Berg, W. D. J., Andreassen, O. A., & Toft, M. (2023). Pleiotropy with sex-specific traits reveals genetic aspects of sex differences in Parkinson's disease. *Brain*, awad297. <https://doi.org/10.1093/brain/awad297>
- Nordström, E., Eriksson, F., Sigvardson, J., Johannesson, M., Kasrayan, A., Jones-Kostalla, M., Appelkvist, P., Söderberg, L., Nygren, P., Blom, M., Rachalski, A., Nordenankar, K., Zachrisson, O., Amandius, E., Osswald, G., Moge, M., Ingelsson, M., Bergström, J., Lannfelt, L., ... Fälting, J. (2021). ABBV-0805, a novel antibody selective for soluble aggregated α -synuclein, prolongs lifespan and prevents buildup of α -synuclein pathology in mouse models of Parkinson's disease. *Neurobiology of Disease*, 161, 105543. <https://doi.org/10.1016/j.nbd.2021.105543>
- Novak, P., Schmidt, R., Kontsekova, E., Kovacech, B., Smolek, T., Katina, S., Fialova, L., Prcina, M., Parrak, V., Dal-Bianco, P., Brunner, M., Staffen, W., Rainer, M., Ondrus, M., Ropele, S., Smisek, M., Sivak, R., Zilka, N., Winblad, B., & Novak, M. (2018). FUNDAMANT: An interventional 72-week phase 1 follow-up study of AADvac1, an active immunotherapy against tau protein pathology in Alzheimer's disease. *Alzheimer's Research & Therapy*, 10(1), 108. <https://doi.org/10.1186/s13195-018-0436-1>
- Nuñez-Díaz, C., Pocevičiūtė, D., Schultz, N., The Netherlands Brain Bank, Welinder, C., Swärd, K., & Wennström, M. (2023). Contraction of human brain vascular pericytes in response to islet amyloid polypeptide is reversed by pramlintide. *Molecular Brain*, 16, 25. <https://doi.org/10.1186/s13041-023-01013-1>
- Nutma, E., Fancy, N., Weinert, M., Marzin, M. C., Tsartsalis, S., Muirhead, R. C. J., Falk, I., Bruin, J. de, Hollaus, D., Pieterman, R., Anink, J., Story, D., Chandran, S., Tang, J., Trolese, M. C., Saito, T., Saido, T. C., Wiltshire, K., Beltran-Lobo, P., ... Owen, D. R. (2022). *Translocator protein is a marker of activated microglia in rodent models but not human neurodegenerative diseases* (p. 2022.05.11.491453). bioRxiv. <https://doi.org/10.1101/2022.05.11.491453>
- Nutma, E., Fancy, N., Weinert, M., Tsartsalis, S., Marzin, M. C., Muirhead, R. C. J., Falk, I., Breur, M., de Bruin, J., Hollaus, D., Pieterman, R., Anink, J., Story, D., Chandran, S., Tang, J., Trolese, M. C., Saito, T., Saido, T. C., Wiltshire, K. H., ... Owen, D. R. (2023). Translocator protein is a marker of activated microglia in rodent models but not human neurodegenerative diseases. *Nature Communications*, 14(1), Article 1. <https://doi.org/10.1038/s41467-023-40937-z>

- Nutma, E., Gebro, E., Marzin, M. C., van der Valk, P., Matthews, P. M., Owen, D. R., & Amor, S. (2021). Activated microglia do not increase 18 kDa translocator protein (TSPO) expression in the multiple sclerosis brain. *Glia*, *69*(10), 2447–2458. <https://doi.org/10.1002/glia.24052>
- Nutma, E., Stephenson, J. A., Gorter, R. P., de Bruin, J., Boucherie, D. M., Donat, C. K., Breur, M., van der Valk, P., Matthews, P. M., Owen, D. R., & Amor, S. (2019). A quantitative neuropathological assessment of translocator protein expression in multiple sclerosis. *Brain*, *142*(11), 3440–3455. <https://doi.org/10.1093/brain/awz287>
- Nuzzo, T., Feligioni, M., Cristino, L., Pagano, I., Marcelli, S., Iannuzzi, F., Imperatore, R., D'Angelo, L., Petrella, C., Carella, M., Pollegioni, L., Sacchi, S., Punzo, D., De Girolamo, P., Errico, F., Canu, N., & Usiello, A. (2019). Free d-aspartate triggers NMDA receptor-dependent cell death in primary cortical neurons and perturbs JNK activation, Tau phosphorylation, and protein SUMOylation in the cerebral cortex of mice lacking d-aspartate oxidase activity. *Experimental Neurology*, *317*, 51–65. <https://doi.org/10.1016/j.expneurol.2019.02.014>
- Nuzzo, T., Mancini, A., Miroballo, M., Casamassa, A., Di Maio, A., Donati, G., Sansone, G., Gaetani, L., Paoletti, F. P., Isidori, A., Calabresi, P., Errico, F., Parnetti, L., & Usiello, A. (2021). High performance liquid chromatography determination of l-glutamate, l-glutamine and glycine content in brain, cerebrospinal fluid and blood serum of patients affected by Alzheimer's disease. *Amino Acids*, *53*(3), 435–449. <https://doi.org/10.1007/s00726-021-02943-7>
- Nuzzo, T., Miroballo, M., Casamassa, A., Mancini, A., Gaetani, L., Nisticò, R., Eusebi, P., Katane, M., Homma, H., Calabresi, P., Errico, F., Parnetti, L., & Usiello, A. (2020). Cerebrospinal fluid and serum d-serine concentrations are unaltered across the whole clinical spectrum of Alzheimer's disease. *Biochimica et Biophysica Acta (BBA) - Proteins and Proteomics*, *1868*(12), 140537. <https://doi.org/10.1016/j.bbapap.2020.140537>
- O' Neill, C. (2013). PI3-kinase/Akt/mTOR signaling: Impaired on/off switches in aging, cognitive decline and Alzheimer's disease. *Proceedings of the Eleventh International Symposium on the Neurobiology and Neuroendocrinology of Aging*, *48*(7), 647–653. <https://doi.org/10.1016/j.exger.2013.02.025>
- O'Callaghan, P., Noborn, F., Sehlin, D., Li, J., Lannfelt, L., Lindahl, U., & Zhang, X. (2014). Apolipoprotein E increases cell association of amyloid- β 40 through heparan sulfate and LRP1 dependent pathways. *Amyloid*, *21*(2), 76–87. <https://doi.org/10.3109/13506129.2013.879643>
- Öhrfelt, A., Brinkmalm, A., Dumurgier, J., Zetterberg, H., Bouaziz-Amar, E., Hugon, J., Paquet, C., & Blennow, K. (2018). A Novel ELISA for the Measurement of Cerebrospinal Fluid SNAP-25 in Patients with Alzheimer's Disease. *Neuroscience*. <https://doi.org/10.1016/j.neuroscience.2018.11.038>
- Öhrfelt, A., Brinkmalm, A., Dumurgier, J., Zetterberg, H., Bouaziz-Amar, E., Hugon, J., Paquet, C., & Blennow, K. (2019). A Novel ELISA for the Measurement of Cerebrospinal Fluid SNAP-25 in Patients with Alzheimer's Disease. *Neuroscience*, *420*, 136–144. <https://doi.org/10.1016/j.neuroscience.2018.11.038>
- Ollà, I., Santos-Galindo, M., Elorza, A., & Lucas, J. J. (2020). P2X7 Receptor Upregulation in Huntington's Disease Brains. *Frontiers in Molecular Neuroscience*, *13*. <https://doi.org/10.3389/fnmol.2020.567430>

- Olst, L. V., Kamermans, A., Halters, S., Pol, S. M. A. V. D., Rodriguez, E., Verberk, I. M. W., Verberk, S. G. S., Wessels, D. W. R., Rodriguez-Mogeda, C., Verhoeff, J., Wouters, D., Bossche, J. V. D., Garcia-Vallejo, J. J., Lemstra, A. W., Witte, M. E., Flier, W. M. V. D., Teunissen, C. C. E., & De Vries, H. E. (2023). *Adaptive immune changes associate with clinical progression of Alzheimer's disease* [Preprint]. In Review. <https://doi.org/10.21203/rs.3.rs-3204149/v1>
- O'Neill, E., Mela, V., Gaban, A. S., Bechet, S., McGrath, A., Walsh, A., McIntosh, A., & Lynch, M. A. (2022). Sex-Related Microglial Perturbation Is Related to Mitochondrial Changes in a Model of Alzheimer's Disease. *Frontiers in Cellular Neuroscience*, *16*, 939830. <https://doi.org/10.3389/fncel.2022.939830>
- Oost, W., Huitema, A. J., Kats, K., Giepmans, B. N. G., Kooistra, S. M., Eggen, B. J. L., & Baron, W. (2023). Pathological ultrastructural alterations of myelinated axons in normal appearing white matter in progressive multiple sclerosis. *Acta Neuropathologica Communications*, *11*(1), 100. <https://doi.org/10.1186/s40478-023-01598-7>
- Oosterhof, N., Kuil, L. E., van der Linde, H. C., Burm, S. M., Berdowski, W., van Ijcken, W. F. J., van Swieten, J. C., Hol, E. M., Verheijen, M. H. G., & van Ham, T. J. (2018). Colony-Stimulating Factor 1 Receptor (CSF1R) Regulates Microglia Density and Distribution, but Not Microglia Differentiation In Vivo. *Cell Reports*, *24*(5), 1203-1217.e6. <https://doi.org/10.1016/j.celrep.2018.06.113>
- Orme, T., Hernandez, D., Ross, O. A., Kun-Rodrigues, C., Darwent, L., Shepherd, C. E., Parkkinen, L., Ansorge, O., Clark, L., Honig, L. S., Marder, K., Lemstra, A., Rogaeva, E., St. George-Hyslop, P., Londos, E., Zetterberg, H., Morgan, K., Troakes, C., Al-Sarraj, S., ... Bras, J. (2020). Analysis of neurodegenerative disease-causing genes in dementia with Lewy bodies. *Acta Neuropathologica Communications*, *8*. <https://doi.org/10.1186/s40478-020-0879-z>
- Ormel, P. R., Böttcher, C., Gigase, F. A. J., Missall, R. D., van Zuiden, W., Fernández Zapata, M. C., Ilhan, D., de Goeij, M., Udine, E., Sommer, I. E. C., Priller, J., Raj, T., Kahn, R. S., Hol, E. M., & de Witte, L. D. (2020). A characterization of the molecular phenotype and inflammatory response of schizophrenia patient-derived microglia-like cells. *Brain, Behavior, and Immunity*, *90*, 196–207. <https://doi.org/10.1016/j.bbi.2020.08.012>
- Ormel, P. R., Sá, R. V. de, Bodegraven, E. J. van, Karst, H., Harschnitz, O., Sneeboer, M. A. M., Johansen, L. E., Dijk, R. E. van, Scheefhals, N., Berlekom, A. B. van, Martínez, E. R., Kling, S., MacGillavry, H. D., Berg, L. H. van den, Kahn, R. S., Hol, E. M., Witte, L. D. de, & Pasterkamp, R. J. (2018). Microglia innately develop within cerebral organoids. *Nature Communications*, *9*(1), 1–14. <https://doi.org/10.1038/s41467-018-06684-2>
- Orre, M., Kamphuis, W., Dooves, S., Kooijman, L., Chan, E. T., Kirk, C. J., Smith, V. D., Koot, S., Mamber, C., & Jansen, A. H. (2013). Reactive glia show increased immunoproteasome activity in Alzheimer's disease. *Brain*, *136*(5), 1415–1431.
- Ossola, B., Rifat, A., Rowland, A., Hunter, H., Drinkall, S., Bender, C., Hamlischer, M., Teall, M., Burley, R., Barker, D. F., Cadwalladr, D., Dickson, L., Lawrence, J. M. K., Harvey, J. R. M., Lizio, M., Xu, X., Kavanagh, E., Cheung, T., Sheardown, S., ... Dawson, L. A. (2023). Characterisation of C101248: A novel selective THIK-1 channel inhibitor for the modulation of microglial NLRP3-inflammasome. *Neuropharmacology*, *224*, 109330. <https://doi.org/10.1016/j.neuropharm.2022.109330>
- Østergaard, S. D., Mukherjee, S., Sharp, S. J., Proitsi, P., Lotta, L. A., Day, F., Perry, J. R. B., Boehme, K. L., Walter, S., Kauwe, J. S., Gibbons, L. E., Larson, E. B., Powell, J. F., Langenberg, C., Crane, P. K., Wareham, N. J., Scott, R. A., Alzheimer's Disease Genetics Consortium, The GERAD1 Consortium,

- & EPIC-InterAct Consortium. (2015). Associations between Potentially Modifiable Risk Factors and Alzheimer Disease: A Mendelian Randomization Study. *PLoS Med*, *12*(6), e1001841. <https://doi.org/10.1371/journal.pmed.1001841>
- Ouwendijk, W. J. D., Depledge, D. P., Rajbhandari, L., Lenac Rovis, T., Jonjic, S., Breuer, J., Venkatesan, A., Verjans, G. M. G. M., & Sadaoka, T. (2020). Varicella-zoster virus VLT-ORF63 fusion transcript induces broad viral gene expression during reactivation from neuronal latency. *Nature Communications*, *11*. <https://doi.org/10.1038/s41467-020-20031-4>
- Paik, H., Lee, J., Jeong, C.-S., Park, J. S., Lee, J. H., Rappoport, N., Kim, Y., Sohn, H.-Y., Jo, C., Kim, J., & Cho, S. B. (2022). Identification of a pleiotropic effect of ADIPOQ on cardiac dysfunction and Alzheimer's disease based on genetic evidence and health care records. *Translational Psychiatry*, *12*(1), Article 1. <https://doi.org/10.1038/s41398-022-02144-0>
- Palese, F., Bonomi, E., Nuzzo, T., Benussi, A., Mellone, M., Zianni, E., Cisani, F., Casamassa, A., Alberici, A., Scheggia, D., Padovani, A., Marcello, E., Di Luca, M., Pittaluga, A., Usiello, A., Borroni, B., & Gardoni, F. (2020). Anti-GluA3 antibodies in frontotemporal dementia: Effects on glutamatergic neurotransmission and synaptic failure. *Neurobiology of Aging*, *86*, 143–155. <https://doi.org/10.1016/j.neurobiolaging.2019.10.015>
- Palmer, E., Benchek, P., Wheeler, N., Smeiszek, S., Naj, A. C., Haines, J. L., Pericak-Vance, M. A., Forsberg, L. A., Cukier, H. N., Song, Y., & Bush, W. S. (2022). *Somatic Loss of the Y Chromosome and Alzheimer's Disease Risk* (p. 2022.11.14.516433). bioRxiv. <https://doi.org/10.1101/2022.11.14.516433>
- Pandya, N. J., Wang, C., Costa, V., Lopatta, P., Meier, S., Zampeta, F. I., Punt, A. M., Mientjes, E., Grossen, P., Distler, T., Tzouros, M., Martí, Y., Banfai, B., Patsch, C., Rasmussen, S., Hoener, M., Berrera, M., Kremer, T., Dunkley, T., ... Jagasia, R. (2021). Secreted retrovirus-like GAG-domain-containing protein PEG10 is regulated by UBE3A and is involved in Angelman syndrome pathophysiology. *Cell Reports Medicine*, *2*(8), 100360. <https://doi.org/10.1016/j.xcrm.2021.100360>
- Pannemans, K., Broux, B., Goris, A., Dubois, B., Broekmans, T., Van Wijmeersch, B., Geraghty, D., Stinissen, P., & Hellings, N. (2014). HLA-E restricted CD8+ T cell subsets are phenotypically altered in multiple sclerosis patients. *Multiple Sclerosis Journal*, *20*(7), 790–801.
- Papadopoulou, A., Siamatras, T., Delgado-Morales, R., Amin, N. D., Shukla, V., Zheng, Y.-L., Pant, H. C., Almeida, O. F. X., & Kino, T. (2015). Acute and chronic stress differentially regulate cyclin-dependent kinase 5 in mouse brain: Implications to glucocorticoid actions and major depression. *Transl Psychiatry*, *5*, e578.
- Papanikolopoulou, K., & Skoulakis, E. M. (2014). Temporally distinct phosphorylations differentiate Tau-dependent learning deficits and premature mortality in *Drosophila*. *Human Molecular Genetics*, *23*(12), ddu726.
- Pardo, L. M., Rizzu, P., Francescato, M., Vitezic, M., Leday, G. G. R., Sanchez, J. S., Khamis, A., Takahashi, H., van de Berg, W. D. J., Medvedeva, Y. A., van de Wiel, M. A., Daub, C. O., Carninci, P., & Heutink, P. (2013). Regional differences in gene expression and promoter usage in aged human brains. *Neurobiology of Aging*, *34*(7), 1825–1836. <https://doi.org/10.1016/j.neurobiolaging.2013.01.005>

- Park, J. S., Lee, J., Jung, E. S., Kim, M.-H., Kim, I. B., Son, H., Kim, S., Kim, S., Park, Y. M., Mook-Jung, I., Yu, S. J., & Lee, J. H. (2019). Brain somatic mutations observed in Alzheimer's disease associated with aging and dysregulation of tau phosphorylation. *Nature Communications*, *10*(1), 1–12. <https://doi.org/10.1038/s41467-019-11000-7>
- Park, M. W., Cha, H. W., Kim, J., Kim, J. H., Yang, H., Yoon, S., Boonpraman, N., Yi, S. S., Yoo, I. D., & Moon, J.-S. (2021). NOX4 promotes ferroptosis of astrocytes by oxidative stress-induced lipid peroxidation via the impairment of mitochondrial metabolism in Alzheimer's diseases. *Redox Biology*, *41*, 101947. <https://doi.org/10.1016/j.redox.2021.101947>
- Pascual, G., Wadia, J. S., Zhu, X., Keogh, E., Kükreer, B., van Ameijde, J., Inganäs, H., Siregar, B., Perdok, G., Diefenbach, O., Nahar, T., Sprengers, I., Koldijk, M. H., der Linden, E. C. B., Peferoen, L. A., Zhang, H., Yu, W., Li, X., Wagner, M., ... Goudsmit, J. (2017). Immunological memory to hyperphosphorylated tau in asymptomatic individuals. *Acta Neuropathologica*, *133*(5), 767–783. <https://doi.org/10.1007/s00401-017-1705-y>
- Peferoen, L. A. N., Gerritsen, W. H., Breur, M., Ummenthum, K. M. D., Peferoen-Baert, R. M. B., van der Valk, P., van Noort, J. M., & Amor, S. (2015). Small heat shock proteins are induced during multiple sclerosis lesion development in white but not grey matter. *Acta Neuropathologica Communications*, *3*(1), 1–16. <https://doi.org/10.1186/s40478-015-0267-2>
- Peferoen, L. A., Vogel, D. Y., Ummenthum, K., Breur, M., Heijnen, P. D., Gerritsen, W. H., Peferoen-Baert, R. M., van der Valk, P., Dijkstra, C. D., & Amor, S. (2015). Activation status of human microglia is dependent on lesion formation stage and remyelination in multiple sclerosis. *Journal of Neuropathology & Experimental Neurology*, *74*(1), 48–63.
- Pelucchi, S., Vandermeulen, L., Pizzamiglio, L., Aksan, B., Yan, J., Konietzny, A., Bonomi, E., Borroni, B., Padovani, A., Rust, M. B., Di Marino, D., Mikhaylova, M., Mauceri, D., Antonucci, F., Edefonti, V., Gardoni, F., Di Luca, M., & Marcello, E. (2020). Cyclase-associated protein 2 dimerization regulates cofilin in synaptic plasticity and Alzheimer's disease. *Brain Communications*, *2*(2). <https://doi.org/10.1093/braincomms/fcaa086>
- Pelucchi, S., Vandermeulen, L., Pizzamiglio, L., Aksan, B., Yan, J., Konietzny, A., Bonomi, E., Borroni, B., Rust, M., Marino, D. D., Mikhaylova, M., Mauceri, D., Antonucci, F., Gardoni, F., Luca, M. D., & Marcello, E. (2019). CAP2 is a novel regulator of Cofilin in synaptic plasticity and Alzheimer's disease. *bioRxiv*, 789552. <https://doi.org/10.1101/789552>
- Pereira, J. B., Junqué, C., Bartrès-Faz, D., Ramírez-Ruiz, B., Marti, M. J., & Tolosa, E. (2013). Regional vulnerability of hippocampal subfields and memory deficits in Parkinson's disease. *Hippocampus*, *8*. <https://doi.org/10.1002/hipo.22131>
- Perna, A., Marathe, S., Dreos, R., Falquet, L., Akarsu, H., & Auber, L. A. (2021). Revealing Notch-dependencies in synaptic targets associated with Alzheimer's disease. *bioRxiv*, 2021.03.22.436438. <https://doi.org/10.1101/2021.03.22.436438>
- Perry, J. C., Pakkenberg, B., & Vann, S. D. (2019). Striking reduction in neurons and glial cells in anterior thalamic nuclei of older patients with Down syndrome. *Neurobiology of Aging*, *75*, 54–61. <https://doi.org/10.1016/j.neurobiolaging.2018.11.009>
- Perry, V. H., & Holmes, C. (2014). Microglial priming in neurodegenerative disease. *Nat Rev Neurol*, *10*. <https://doi.org/10.1038/nrneurol.2014.38>

- Petyuk, V. A., Chang, R., Ramirez-Restrepo, M., Beckmann, N. D., Henrion, M. Y. R., Piehowski, P. D., Zhu, K., Wang, S., Clarke, J., Huentelman, M. J., Xie, F., Andreev, V., Engel, A., Guettoche, T., Navarro, L., De Jager, P., Schneider, J. A., Morris, C. M., McKeith, I. G., ... Myers, A. J. (2018). The human brainome: Network analysis identifies HSPA2 as a novel Alzheimer's disease target. *Brain*, *141*(9), 2721–2739. <https://doi.org/10.1093/brain/awy215>
- Petzold, A., Nijland, P. G., Balk, L. J., Amorini, A. M., Lazzarino, G., Wattjes, M. P., Gasperini, C., van der Valk, P., Tavazzi, B., Lazzarino, G., & van Horssen, J. (2015). Visual pathway neurodegeneration winged by mitochondrial dysfunction. *Annals of Clinical and Translational Neurology*, *2*(2), 140–150. <https://doi.org/10.1002/acn3.157>
- Picó, S., Parras, A., Santos-Galindo, M., Pose-Utrilla, J., Castro, M., Fraga, E., Hernández, I. H., Elorza, A., Anta, H., Wang, N., Martí-Sánchez, L., Belloc, E., Garcia-Esparcia, P., Garrido, J. J., Ferrer, I., Macías-García, D., Mir, P., Artuch, R., Pérez, B., ... Lucas, J. J. (2021). CPEB alteration and aberrant transcriptome-polyadenylation lead to a treatable SLC19A3 deficiency in Huntington's disease. *Science Translational Medicine*. <https://doi.org/10.1126/scitranslmed.abe7104>
- Pierrot, N., Ris, L., Stancu, I.-C., Doshina, A., Ribeiro, F., Tyteca, D., Baugé, E., Lalloyer, F., Malong, L., Schakman, O., Leroy, K., Kienlen-Campard, P., Gailly, P., Brion, J.-P., Dewachter, I., Staels, B., & Octave, J.-N. (2019). Sex-regulated gene dosage effect of PPAR α on synaptic plasticity. *Life Science Alliance*, *2*(2). <https://doi.org/10.26508/lsa.201800262>
- Pihlstrøm, L., Blauwendraat, C., Cappelletti, C., Berge-Seidl, V., Langmyhr, M., Henriksen, S. P., Berg, W. D. J. van de, Gibbs, J. R., Cookson, M. R., Singleton, A. B., Nalls, M. A., & Toft, M. (2018). A comprehensive analysis of SNCA-related genetic risk in sporadic parkinson disease. *Annals of Neurology*, *84*(1), 117–129. <https://doi.org/10.1002/ana.25274>
- Pihlstrøm, L., Schottlaender, L., Chelban, V., Meissner, W. G., Federoff, M., Singleton, A., & Houlden, H. (2018). Lysosomal storage disorder gene variants in multiple system atrophy. *Brain*, *141*(7), e53–e53. <https://doi.org/10.1093/brain/awy124>
- Pihlstrøm, L., Shireby, G., Geut, H., Henriksen, S. P., Rozemuller, A. J. M., Tunold, J.-A., Hannon, E., Francis, P., Thomas, A. J., Love, S., Mill, J., van de Berg, W. D. J., & Toft, M. (2022). Epigenome-wide association study of human frontal cortex identifies differential methylation in Lewy body pathology. *Nature Communications*, *13*(1), Article 1. <https://doi.org/10.1038/s41467-022-32619-z>
- Pihlstrøm, L., Shireby, G., Geut, H., Henriksen, S. P., Rozemüller, A. J. M., Tunold, J.-A., Hannon, E., Francis, P., Thomas, A. J., Love, S., Netherlands Brain Bank, Mill, J., van de Berg, W. D. J., & Toft, M. (2021). Epigenome-wide association study of human frontal cortex identifies differential methylation in Lewy body pathology. *medRxiv*, 2021.10.07.21264552. <https://doi.org/10.1101/2021.10.07.21264552>
- Pijnenburg, Y. A. L., Verwey, N. A., van der Flier, W. M., Scheltens, P., & Teunissen, C. E. (2015). Discriminative and prognostic potential of cerebrospinal fluid phosphoTau/tau ratio and neurofilaments for frontotemporal dementia subtypes. *Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring*, *1*(4), 505–512. <https://doi.org/10.1016/j.dadm.2015.11.001>
- Pike, A. F., Longhena, F., Faustini, G., Eik, J.-M. van, Gombert, I., Herrebout, M. A. C., Fayed, M. M. H. E., Sandre, M., Varanita, T., Teunissen, C. E., Hoozemans, J. J. M., Bellucci, A., Veerhuis, R., & Bubacco, L. (2021). Dopamine Signaling Modulates Microglial NLRP3 Inflammasome Activation: Implications for Parkinson's Disease. <https://doi.org/10.21203/rs.3.rs-369002/v2>

- Pike, A. F., Longhena, F., Faustini, G., van Eik, J.-M., Gombert, I., Herrebout, M. A. C., Fayed, M. M. H. E., Sandre, M., Varanita, T., Teunissen, C. E., Hoozemans, J. J. M., Bellucci, A., Veerhuis, R., & Bubacco, L. (2022). Dopamine signaling modulates microglial NLRP3 inflammasome activation: Implications for Parkinson's disease. *Journal of Neuroinflammation*, *19*(1), 50. <https://doi.org/10.1186/s12974-022-02410-4>
- Pike, A. F., Varanita, T., Herrebout, M. A. C., Plug, B. C., Kole, J., Musters, R. J. P., Teunissen, C. E., Hoozemans, J. J. M., Bubacco, L., & Veerhuis, R. (2021). α -Synuclein evokes NLRP3 inflammasome-mediated IL-1 β secretion from primary human microglia. *Glia*, *69*(6), 1413–1428. <https://doi.org/10.1002/glia.23970>
- Pinheiro, M. A. L., Kroon, J., Hoogenboezem, M., Geerts, D., Hof, B. van het, Pol, S. M. A. van der, Buul, J. D. van, & Vries, H. E. de. (2016). Acid Sphingomyelinase-Derived Ceramide Regulates ICAM-1 Function during T Cell Transmigration across Brain Endothelial Cells. *The Journal of Immunology*, *196*(1), 72–79. <https://doi.org/10.4049/jimmunol.1500702>
- Pinner, E., Gruper, Y., Ben Zimra, M., Kristt, D., Laudon, M., Naor, D., & Zisapel, N. (2017). CD44 Splice Variants as Potential Players in Alzheimer's Disease Pathology. *Journal of Alzheimer's Disease*, *58*(4), 1137–1149. <https://doi.org/10.3233/JAD-161245>
- Pintacuda, G., Hsu, Y.-H. H., Tsafou, K., Li, K. W., Martín, J. M., Riseman, J., Biagini, J. C., Ching, J. K. T., Mena, D., Gonzalez-Lozano, M. A., Egri, S. B., Jaffe, J., Smit, A. B., Fornelos, N., Eggan, K. C., & Lage, K. (2023). Protein interaction studies in human induced neurons indicate convergent biology underlying autism spectrum disorders. *Cell Genomics*, *3*(3), 100250. <https://doi.org/10.1016/j.xgen.2022.100250>
- Piovesana, E., Magrin, C., Ciccaldò, M., Sola, M., Bellotto, M., Molinari, M., Papin, S., & Paganetti, P. (2023). *Tau Accumulation in Degradative Organelles is Associated to Lysosomal Stress*. <https://doi.org/10.21203/rs.3.rs-2972040/v1>
- Piston, D., Alvarez-Erviti, L., Bansal, V., Gargano, D., Yao, Z., Szabadkai, G., Odell, M., Puno, M. R., Björkblom, B., Maple-Grødem, J., Breuer, P., Kaut, O., Larsen, J. P., Bonn, S., Møller, S. G., Wüllner, U., Schapira, A. H. V., & Gegg, M. E. (2017). DJ-1 is a redox sensitive adapter protein for high molecular weight complexes involved in regulation of catecholamine homeostasis. *Human Molecular Genetics*, *26*(20), 4028–4041. <https://doi.org/10.1093/hmg/ddx294>
- Plowey, E. D., Bussiere, T., Rajagovindan, R., Sebalusky, J., Hamann, S., von Hehn, C., Castrillo-Viguera, C., Sandrock, A., Budd Haeberlein, S., van Dyck, C. H., & Huttner, A. (2022). Alzheimer disease neuropathology in a patient previously treated with aducanumab. *Acta Neuropathologica*, *144*(1), 143–153. <https://doi.org/10.1007/s00401-022-02433-4>
- Plum, S., Steinbach, S., Attems, J., Keers, S., Riederer, P., Gerlach, M., May, C., & Marcus, K. (2016). Proteomic characterization of neuromelanin granules isolated from human *substantia nigra* by laser-microdissection. *Scientific Reports*, *6*, 37139. <https://doi.org/10.1038/srep37139>
- Pocevičiūtė, D., Nuñez-Díaz, C., Roth, B., Janelidze, S., Giannisis, A., Hansson, O., Wennström, M., & The Netherlands Brain Bank. (2022). Increased plasma and brain immunoglobulin A in Alzheimer's disease is lost in apolipoprotein E ϵ 4 carriers. *Alzheimer's Research & Therapy*, *14*(1), 117. <https://doi.org/10.1186/s13195-022-01062-z>
- Pocevičiūtė, D., Roth, B., Schultz, N., Nuñez-Díaz, C., Janelidze, S., The Netherlands Brain Bank, Olofsson, A., Hansson, O., & Wennström, M. (2023). Plasma IAPP-Autoantibody Levels in

- Alzheimer's Disease Patients Are Affected by APOE4 Status. *International Journal of Molecular Sciences*, 24(4), Article 4. <https://doi.org/10.3390/ijms24043776>
- Poel, M. van der, Hoepel, W., Hamann, J., Huitinga, I., & Dunnen, J. den. (2020). IgG Immune Complexes Break Immune Tolerance of Human Microglia. *The Journal of Immunology*, 205(9), 2511–2518. <https://doi.org/10.4049/jimmunol.2000130>
- Policarpo, R., Wolfs, L., Martínez-Montero, S., Vandermeulen, L., Royaux, I., Peer, G. V., Mestdagh, P., Sierksma, A., Strooper, B. D., & d'Ydewalle, C. (2023). *The MIR-NAT MAPT-AS1 does not regulate Tau expression in human neurons* (p. 2023.01.27.525631). bioRxiv. <https://doi.org/10.1101/2023.01.27.525631>
- Pollok, K., Mothes, R., Ulbricht, C., Liebheit, A., Gerken, J. D., Uhlmann, S., Paul, F., Niesner, R., Radbruch, H., & Hauser, A. E. (2017). The chronically inflamed central nervous system provides niches for long-lived plasma cells. *Acta Neuropathologica Communications*, 5(1), 88. <https://doi.org/10.1186/s40478-017-0487-8>
- Pomeshchik, Y., Velasquez, E., Gil, J., Klementieva, O., Gidlöf, R., Sydoff, M., Bagnoli, S., Nacmias, B., Sorbi, S., Westergren-Thorsson, G., Gouras, G. K., Rezeli, M., & Roybon, L. (2023). *Proteomic analysis across patient iPSC-based models and human post-mortem hippocampal tissue reveals early cellular dysfunction, progression, and prion-like spread of Alzheimer's disease pathogenesis* (p. 2023.02.10.527926). bioRxiv. <https://doi.org/10.1101/2023.02.10.527926>
- Poon, K. W. C., Brideau, C., Klaver, R., Schenk, G. J., Geurts, J. J., & Stys, P. K. (2018). Lipid biochemical changes detected in normal appearing white matter of chronic multiple sclerosis by spectral coherent Raman imaging. *Chemical Science*, 9(6), 1586–1595. <https://doi.org/10.1039/C7SC03992A>
- Popescu, V., Klaver, R., Versteeg, A., Voorn, P., Twisk, J. W. R., Barkhof, F., Geurts, J. J. G., & Vrenken, H. (2016). Postmortem validation of MRI cortical volume measurements in MS. *Human Brain Mapping*, 37(6), 2223–2233. <https://doi.org/10.1002/hbm.23168>
- Popescu, V., Klaver, R., Voorn, P., Galis-de Graaf, Y., Knol, D., Twisk, J., Versteeg, A., Schenk, G., Van der Valk, P., & Barkhof, F. (2015). What drives MRI-measured cortical atrophy in multiple sclerosis? *Multiple Sclerosis Journal*, 21(10), 1280–1290.
- Pottier, C., Ren, Y., Perkerson, R. B., Baker, M., Jenkins, G. D., van Blitterswijk, M., DeJesus-Hernandez, M., van Rooij, J. G. J., Murray, M. E., Christopher, E., McDonnell, S. K., Fogarty, Z., Batzler, A., Tian, S., Vicente, C. T., Matchett, B., Karydas, A. M., Hsiung, G.-Y. R., Seelaar, H., ... Rademakers, R. (2019). Genome-wide analyses as part of the international FTLD-TDP whole-genome sequencing consortium reveals novel disease risk factors and increases support for immune dysfunction in FTLD. *Acta Neuropathologica*, 137(6), 879–899. <https://doi.org/10.1007/s00401-019-01962-9>
- Preziosa, P., Bouman, P. M., Kiljan, S., Steenwijk, M. D., Meani, A., Pouwels, P. J., Rocca, M. A., Filippi, M., Geurts, J. J. G., & Jonkman, L. E. (2021). Neurite density explains cortical T1-weighted/T2-weighted ratio in multiple sclerosis. *Journal of Neurology, Neurosurgery & Psychiatry*, 92(7), 790–792. <https://doi.org/10.1136/jnnp-2020-324391>
- Preziosa, P., Kiljan, S., Steenwijk, M. D., Meani, A., van de Berg, W. D. J., Schenk, G. J., Rocca, M. A., Filippi, M., Geurts, J. J. G., & Jonkman, L. E. (2019). Axonal degeneration as substrate of fractional

- anisotropy abnormalities in multiple sclerosis cortex. *Brain*, 142(7), 1921–1937.
<https://doi.org/10.1093/brain/awz143>
- Prifti, E., Tsakiri, E. N., Vourkou, E., Stamatakis, G., Samiotaki, M., Skoulakis, E. M. C., & Papanikolopoulou, K. (2022). Mical modulates Tau toxicity via cysteine oxidation in vivo. *Acta Neuropathologica Communications*, 10(1), 44. <https://doi.org/10.1186/s40478-022-01348-1>
- Prins, M., Dutta, R., Baselmans, B., Brevé, J. J., Bol, J. G., Deckard, S. A., van der Valk, P., Amor, S., Trapp, B. D., & Vries, H. E. (2014). Discrepancy in CCL2 and CCR2 expression in white versus grey matter hippocampal lesions of Multiple Sclerosis patients. *Acta Neuropathologica Communications*, 2(1), 1.
- Qi, X.-R., Kamphuis, W., & Shan, L. (2019). Astrocyte Changes in the Prefrontal Cortex From Aged Non-suicidal Depressed Patients. *Frontiers in Cellular Neuroscience*, 13.
<https://doi.org/10.3389/fncel.2019.00503>
- Qi, X.-R., Kamphuis, W., Wang, S., Wang, Q., Lucassen, P. J., Zhou, J.-N., & Swaab, D. F. (2013). Aberrant stress hormone receptor balance in the human prefrontal cortex and hypothalamic paraventricular nucleus of depressed patients. *Psychoneuroendocrinology*, 38(6), 863–870.
<https://doi.org/10.1016/j.psyneuen.2012.09.014>
- Qi, X.-R., Luchetti, S., Verwer, R. W. H., Sluiter, A. A., Mason, M. R. J., Zhou, J.-N., & Swaab, D. F. (2018). Alterations in the steroid biosynthetic pathways in the human prefrontal cortex in mood disorders: A post-mortem study. *Brain Pathology*, 28(4), 536–547.
<https://doi.org/10.1111/bpa.12548>
- Qi, X.-R., Verwer, R. W. H., Bao, A.-M., Balesar, R. A., Luchetti, S., Zhou, J.-N., & Swaab, D. F. (2019). Human Brain Slice Culture: A Useful Tool to Study Brain Disorders and Potential Therapeutic Compounds. *Neuroscience Bulletin*, 35(2), 244–252. <https://doi.org/10.1007/s12264-018-0328-1>
- Qi, X.-R., Zhao, J., Liu, J., Fang, H., Swaab, D. F., & Zhou, J.-N. (2015). Abnormal retinoid and TrkB signaling in the prefrontal cortex in mood disorders. *Cerebral Cortex*, 25(1), 75–83.
- Qi, Y.-J., Lu, Y.-R., Shi, L.-G., Demmers, J. A. A., Bezstarosti, K., Rijkers, E., Balesar, R., Swaab, D., & Bao, A.-M. (2021). Distinct Proteomic Profiles in Prefrontal Subareas of Major Depressive Disorder and Bipolar Disorder Patients. *SSRN Electronic Journal*. <https://doi.org/10.2139/ssrn.3976881>
- Qi, Y.-J., Lu, Y.-R., Shi, L.-G., Demmers, J. A. A., Bezstarosti, K., Rijkers, E., Balesar, R., Swaab, D., & Bao, A.-M. (2022). Distinct proteomic profiles in prefrontal subareas of elderly major depressive disorder and bipolar disorder patients. *Translational Psychiatry*, 12(1), Article 1.
<https://doi.org/10.1038/s41398-022-02040-7>
- Qin, X.-Y., Shan, Q.-H., Fang, H., Wang, Y., Chen, P., Xiong, Z.-Q., Swaab, D. F., & Zhou, J.-N. (2021). PSD-93 up-regulates the synaptic activity of corticotropin-releasing hormone neurons in the paraventricular nucleus in depression. *Acta Neuropathologica*, 142(6), 1045–1064.
<https://doi.org/10.1007/s00401-021-02371-7>
- Qiu, C., Albayram, O., Kondo, A., Wang, B., Kim, N., Arai, K., Tsai, C.-Y., Bassal, M. A., Herbert, M. K., Washida, K., Angeli, P., Kozono, S., Stucky, J. E., Baxley, S., Lin, Y.-M., Sun, Y., Rotenberg, A., Caldarone, B. J., Bigio, E. H., ... Lu, K. P. (2021). Cis P-tau underlies vascular contribution to cognitive impairment and dementia and can be effectively targeted by immunotherapy in mice. *Science Translational Medicine*, 13(596), eaaz7615. <https://doi.org/10.1126/scitranslmed.aaz7615>

- Quadri, M., Mandemakers, W., Grochowska, M. M., Masius, R., Geut, H., Fabrizio, E., Breedveld, G. J., Kuipers, D., Minneboo, M., Vergouw, L. J. M., Carreras Mascaró, A., Yonova-Doing, E., Simons, E., Zhao, T., Di Fonzo, A. B., Chang, H.-C., Parchi, P., Melis, M., Correia Guedes, L., ... Bonifati, V. (2018). LRP10 genetic variants in familial Parkinson's disease and dementia with Lewy bodies: A genome-wide linkage and sequencing study. *The Lancet Neurology*, *17*(7), 597–608. [https://doi.org/10.1016/S1474-4422\(18\)30179-0](https://doi.org/10.1016/S1474-4422(18)30179-0)
- Rachmawati, D., Peferoen, L. A. N., Vogel, D. Y. S., Alsalem, I. W. A., Amor, S., Bontkes, H. J., von Blomberg, B. M. E., Scheper, R. J., & van Hoogstraten, I. M. W. (2016). Metal ions potentiate microglia responsiveness to endotoxin. *Journal of Neuroimmunology*, *291*, 89–95. <https://doi.org/10.1016/j.jneuroim.2015.12.013>
- Rademaker, M. C., de Lange, G. M., & Palmen, S. J. M. C. (2018). The Netherlands Brain Bank for Psychiatry. In I. Huitinga & M. J. Webster (Eds.), *Handbook of Clinical Neurology* (Vol. 150, pp. 3–16). Elsevier. <https://doi.org/10.1016/B978-0-444-63639-3.00001-3>
- Rademaker, S. H. M., & Huitinga, I. (2018). A new viewpoint: Running a nonprofit brain bank as a business. In I. Huitinga & M. J. Webster (Eds.), *Handbook of Clinical Neurology* (Vol. 150, pp. 93–101). Elsevier. <https://doi.org/10.1016/B978-0-444-63639-3.00007-4>
- Ramaglia, V., Dubey, M., Malpede, M. A., Petersen, N., de Vries, S. I., Ahmed, S. M., Lee, D. S. W., Schenk, G. J., Gold, S. M., Huitinga, I., Gommerman, J. L., Geurts, J. J. G., & Kole, M. H. P. (2021). Complement-associated loss of CA2 inhibitory synapses in the demyelinated hippocampus impairs memory. *Acta Neuropathologica*, *142*(4), 643–667. <https://doi.org/10.1007/s00401-021-02338-8>
- Ramaglia, V., Michailidou, I., Touil, H., van Eden, C., Huitinga, I., Gommerman, J., & Bar-Or, A. (2015). The Relation between Meningeal Inflammation, Cortical Demyelination and White Matter Lesional Activity in Chronic Multiple Sclerosis: A Pilot Study (P5. 228). *Neurology*, *84*(14 Supplement), P5-228.
- Ramaglia, V., Sheikh-Mohamed, S., Legg, K., Park, C., Rojas, O. L., Zandee, S., Fu, F., Ornatsky, O., Swanson, E. C., Pitt, D., Prat, A., McKee, T. D., & Gommerman, J. L. (2019). Multiplexed imaging of immune cells in staged multiple sclerosis lesions by mass cytometry. *eLife*, *8*. <https://doi.org/10.7554/eLife.48051>
- Ran, C., Wirdefeldt, K., Brodin, L., Ramezani, M., Westerlund, M., Xiang, F., Anvret, A., Willows, T., Sydow, O., Johansson, A., Galter, D., Svenningsson, P., & Belin, A. C. (2017). *Genetic Variations and mRNA Expression of NRF2 in Parkinson's Disease* [Research article]. *Parkinson's Disease*. <https://www.hindawi.com/journals/pd/2017/4020198/abs/>
- Ravenscroft, T. A., Baker, M. C., Rutherford, N. J., Neumann, M., Mackenzie, I. R., Josephs, K. A., Boeve, B. F., Petersen, R., Halliday, G. M., Kril, J., van Swieten, J. C., Seeley, W. W., Dickson, D. W., & Rademakers, R. (2013). Mutations in protein N-arginine methyltransferases are not the cause of FTLD-FUS. *Neurobiology of Aging*, *34*(9), 2235.e11-2235.e13. <https://doi.org/10.1016/j.neurobiolaging.2013.04.004>
- Regen, F., Cosma, N.-C., Otto, L. R., Clemens, V., Saksone, L., Gellrich, J., Uesekes, B., Ta, T. M. T., Hahn, E., Dettling, M., Heuser, I., & Hellmann-Regen, J. (2020). Clozapine modulates retinoid homeostasis in human brain and normalizes serum retinoic acid deficit in patients with schizophrenia. *Molecular Psychiatry*. <https://doi.org/10.1038/s41380-020-0791-8>

- Regen, F., Cosma, N.-C., Otto, L. R., Clemens, V., Saksone, L., Gellrich, J., Ueseke, B., Ta, T. M. T., Hahn, E., Dettling, M., Heuser, I., & Hellmann-Regen, J. (2021). Clozapine modulates retinoid homeostasis in human brain and normalizes serum retinoic acid deficit in patients with schizophrenia. *Molecular Psychiatry*, *26*(9), 5417–5428. <https://doi.org/10.1038/s41380-020-0791-8>
- Reijerkerk, A., Lopez-Ramirez, M. A., van het Hof, B., Drexhage, J. A. R., Kamphuis, W. W., Kooij, G., Vos, J. B., van der Pouw Kraan, T. C. T. M., van Zonneveld, A. J., Horrevoets, A. J., Prat, A., Romero, I. A., & de Vries, H. E. (2013). MicroRNAs Regulate Human Brain Endothelial Cell-Barrier Function in Inflammation: Implications for Multiple Sclerosis. *The Journal of Neuroscience*, *33*(16), 6857–6863.
- Reimand, J., Boon, B. D. C., Collij, L. E., Teunissen, C. E., Rozemuller, A. J. M., van Berckel, B. N. M., Scheltens, P., Ossenkuppe, R., & Bouwman, F. (2020). Amyloid- β PET and CSF in an autopsy-confirmed cohort. *Annals of Clinical and Translational Neurology*, *7*(11), 2150–2160. <https://doi.org/10.1002/acn3.51195>
- Reinert, J., Martens, H., Huettenrauch, M., Kolbow, T., Lannfelt, L., Ingelsson, M., Paetau, A., Verkoniemi-Ahola, A., Bayer, T. A., & Wirths, O. (2014). A β 38 in the Brains of Patients with Sporadic and Familial Alzheimer's Disease and Transgenic Mouse Models. *Journal of Alzheimer's Disease*, *39*(4), 871–881.
- Reinert, J., Richard, B. C., Klafki, H. W., Friedrich, B., Bayer, T. A., Wiltfang, J., Kovacs, G. G., Ingelsson, M., Lannfelt, L., Paetau, A., Bergquist, J., & Wirths, O. (2016). Deposition of C-terminally truncated A β species A β 37 and A β 39 in Alzheimer's disease and transgenic mouse models. *Acta Neuropathologica Communications*, *4*, 24. <https://doi.org/10.1186/s40478-016-0294-7>
- Remnestål, J., Bergström, S., Olofsson, J., Sjöstedt, E., Uhlén, M., Blennow, K., Zetterberg, H., Zettergren, A., Kern, S., Skoog, I., Nilsson, P., & Månberg, A. (2021). Association of CSF proteins with tau and amyloid β levels in asymptomatic 70-year-olds. *Alzheimer's Research & Therapy*, *13*(1), 54. <https://doi.org/10.1186/s13195-021-00789-5>
- Remnestål, J., Just, D., Mitsios, N., Fredolini, C., Mulder, J., Schwenk, J. M., Uhlén, M., Kultima, K., Ingelsson, M., Kilander, L., Lannfelt, L., Svenningsson, P., Nellgård, B., Zetterberg, H., Blennow, K., Nilsson, P., & Häggmark-Månberg, A. (2016). CSF profiling of the human brain enriched proteome reveals associations of neuromodulin and neurogranin to Alzheimer's disease. *PROTEOMICS – Clinical Applications*, *10*(12), 1242–1253. <https://doi.org/10.1002/prca.201500150>
- Ren, J.-M., Zhang, S.-L., Wang, X.-L., Guan, Z.-Z., & Qi, X.-L. (2020). Expression levels of the α 7 nicotinic acetylcholine receptor in the brains of patients with Alzheimer's disease and their effect on synaptic proteins in SH-SY5Y cells. *Molecular Medicine Reports*, *22*(3), 2063–2075. <https://doi.org/10.3892/mmr.2020.11253>
- Respondek, G., Roeber, S., Kretschmar, H., Troakes, C., Al-Sarraj, S., Gelpi, E., Gaig, C., Chiu, W. Z., Swieten, J. C., & Oertel, W. H. (2013). Accuracy of the National Institute for Neurological Disorders and Stroke/Society for Progressive Supranuclear Palsy and neuroprotection and natural history in Parkinson plus syndromes criteria for the diagnosis of progressive supranuclear palsy. *Movement Disorders*, *28*(4), 504–509.
- Respondek, G., Stamelou, M., Kurz, C., Ferguson, L. W., Rajput, A., Chiu, W. Z., van Swieten, J. C., Troakes, C., al Sarraj, S., Gelpi, E., Gaig, C., Tolosa, E., Oertel, W. H., Giese, A., Roeber, S., Arzberger, T., Wagenpfeil, S., Höglinger, G. U., & for the Movement Disorder Society—endorsed

- PSP Study Group. (2014). The phenotypic spectrum of progressive supranuclear palsy: A retrospective multicenter study of 100 definite cases. *Movement Disorders*, *29*(14), 1758–1766. <https://doi.org/10.1002/mds.26054>
- Reuter, E., Weber, J., Paterka, M., Ploen, R., Breiderhoff, T., van Horsen, J., Willnow, T. E., Siffrin, V., & Zipp, F. (2015). Role of Sortilin in Models of Autoimmune Neuroinflammation. *The Journal of Immunology*, *195*(12), 5762–5769. <https://doi.org/10.4049/jimmunol.1403156>
- Reyes, J. F., Sackmann, C., Hoffmann, A., Svenningsson, P., Winkler, J., Ingelsson, M., & Hallbeck, M. (2019). Binding of α -synuclein oligomers to Cx32 facilitates protein uptake and transfer in neurons and oligodendrocytes. *Acta Neuropathologica*, *138*(1), 23–47. <https://doi.org/10.1007/s00401-019-02007-x>
- Ridderstad Wollberg, A., Ericsson-Dahlstrand, A., Juréus, A., Ekerot, P., Simon, S., Nilsson, M., Wiklund, S.-J., Berg, A.-L., Ferm, M., Sunnemark, D., & Johansson, R. (2014). Pharmacological inhibition of the chemokine receptor CX3CR1 attenuates disease in a chronic-relapsing rat model for multiple sclerosis. *Proceedings of the National Academy of Sciences*, *111*(14), 5409–5414. <https://doi.org/10.1073/pnas.1316510111>
- Ridge, P. G., Mukherjee, S., Crane, P. K., Kauwe, J. S. K., & Alzheimer's Disease Genetics Consortium. (2013). Alzheimer's Disease: Analyzing the Missing Heritability. *PLoS ONE*, *8*(11), e79771. <https://doi.org/10.1371/journal.pone.0079771>
- Riese, H., van den Heuvel, E. R., Snieder, H., den Dunnen, W. F., Plosch, T., Kema, I. P., & Niezen-Koning, K. E. (2014). Association between methylation of the SLC6A4 promoter region in peripheral blood leukocytes and methylation in amygdala tissue. *Psychosomatic Medicine*, *76*(3), 244–246.
- Rieusset, A., Schaller, F., Unmehopa, U., Matarazzo, V., Watrin, F., Linke, M., Georges, B., Bischof, J., Dijkstra, F., Bloemsma, M., Corby, S., Michel, F. J., Wevrick, R., Zechner, U., Swaab, D., Dudley, K., Bezin, L., & Muscatelli, F. (2013). Stochastic Loss of Silencing of the Imprinted Ndn/NDN Allele, in a Mouse Model and Humans with Prader-Willi Syndrome, Has Functional Consequences. *PLoS Genet*, *9*(9), e1003752. <https://doi.org/10.1371/journal.pgen.1003752>
- Riise, J., Plath, N., Pakkenberg, B., & Parachikova, A. (2015). Aberrant Wnt signaling pathway in medial temporal lobe structures of Alzheimer's disease. *Journal of Neural Transmission*, *122*(9), 1303–1318. <https://doi.org/10.1007/s00702-015-1375-7>
- Ring, J., Tadic, J., Ristic, S., Poglitsch, M., Bergmann, M., Radic, N., Mossmann, D., Liang, Y., Maglione, M., Jerkovic, A., Hajiraissi, R., Hanke, M., Küttner, V., Wolinski, H., Zimmermann, A., Domuz Trifunović, L., Mikolasch, L., Moretti, D. N., Broeskamp, F., ... Madeo, F. (2022). The HSP40 chaperone Ydj1 drives amyloid beta 42 toxicity. *EMBO Molecular Medicine*, *14*(5), e13952. <https://doi.org/10.15252/emmm.202113952>
- Rippe, C., Morén, B., Liu, L., Stenkula, K. G., Mustaniemi, J., Wennström, M., & Swärd, K. (2021). NG2/CSPG4, CD146/MCAM and VAP1/AOC3 are regulated by myocardin-related transcription factors in smooth muscle cells. *Scientific Reports*, *11*(1), 5955. <https://doi.org/10.1038/s41598-021-85335-x>
- Rizzu, P., Blauwendraat, C., Heetveld, S., Lynes, E. M., Castillo-Lizardo, M., Dhingra, A., Pyz, E., Hobert, M., Synofzik, M., Simón-Sánchez, J., Francescato, M., & Heutink, P. (2016). C9orf72 is differentially expressed in the central nervous system and myeloid cells and consistently reduced

- in C9orf72, MAPT and GRN mutation carriers. *Acta Neuropathologica Communications*, 4. <https://doi.org/10.1186/s40478-016-0306-7>
- Rodrigo Albors, A., Singer, G. A., Llorens-Bobadilla, E., Frisén, J., May, A. P., Ponting, C. P., & Storey, K. G. (2023). An ependymal cell census identifies heterogeneous and ongoing cell maturation in the adult mouse spinal cord that changes dynamically on injury. *Developmental Cell*, 58(3), 239–255.e10. <https://doi.org/10.1016/j.devcel.2023.01.003>
- Rodríguez, J. J., Zallo, F., Gardenal, E., Cabot, J., & Busquets, X. (2023). Prominent and conspicuous astrocyte atrophy in human sporadic and familial Alzheimer's disease. *Brain Structure and Function*, 228(9), 2103–2113. <https://doi.org/10.1007/s00429-023-02707-x>
- Rodríguez-Cueto, C., Benito, C., Fernández-Ruiz, J., Romero, J., Hernández-Gálvez, M., & Gómez-Ruiz, M. (2014). Changes in CB1 and CB2 receptors in the post-mortem cerebellum of humans affected by spinocerebellar ataxias. *British Journal of Pharmacology*, 171(6), 1472–1489.
- Rodríguez-Cueto, C., Benito, C., Romero, J., Hernández-Gálvez, M., Gómez-Ruiz, M., & Fernández-Ruiz, J. (2014). Endocannabinoid-hydrolysing enzymes in the post-mortem cerebellum of humans affected by hereditary autosomal dominant ataxias. *Pathobiology*, 81(3), 149–159.
- Rodríguez-Lorenzo, S., Ferreira Francisco, D. M., Vos, R., van het Hof, B., Rijnsburger, M., Schrotten, H., Ishikawa, H., Beaino, W., Bruggmann, R., Kooij, G., & de Vries, H. E. (2020). Altered secretory and neuroprotective function of the choroid plexus in progressive multiple sclerosis. *Acta Neuropathologica Communications*, 8. <https://doi.org/10.1186/s40478-020-00903-y>
- Rodríguez-Lorenzo, S., Konings, J., van der Pol, S., Kamermans, A., Amor, S., van Horsen, J., Witte, M. E., Kooij, G., & de Vries, H. E. (2020). Inflammation of the choroid plexus in progressive multiple sclerosis: Accumulation of granulocytes and T cells. *Acta Neuropathologica Communications*, 8. <https://doi.org/10.1186/s40478-020-0885-1>
- Rodríguez-Lorenzo, S., van Olst, L., Rodriguez-Mogeda, C., Kamermans, A., van der Pol, S. M. A., Rodríguez, E., Kooij, G., & de Vries, H. E. (2021). Single-cell profiling reveals periventricular CD56^{bright} NK cell accumulation in multiple sclerosis. *bioRxiv*, 2021.09.17.460741. <https://doi.org/10.1101/2021.09.17.460741>
- Rodríguez-Lorenzo, S., van Olst, L., Rodriguez-Mogeda, C., Kamermans, A., van der Pol, S. M., Rodríguez, E., Kooij, G., & de Vries, H. E. (2022). Single-cell profiling reveals periventricular CD56^{bright} NK cell accumulation in multiple sclerosis. *eLife*, 11, e73849. <https://doi.org/10.7554/eLife.73849>
- Roet, M., Jansen, A., Hoogland, G., Temel, Y., & Jahanshahi, A. (2019). Endogenous TRPV1 expression in the human cingulate- and medial frontal gyrus. *Brain Research Bulletin*, 152, 184–190. <https://doi.org/10.1016/j.brainresbull.2019.07.018>
- Röhr, D., Boon, B. D. C., Schuler, M., Kremer, K., Hoozemans, J. J. M., Bouwman, F. H., El-Mashtoly, S. F., Nabers, A., Großerueschkamp, F., Rozemuller, A. J. M., & Gerwert, K. (2020). Label-free vibrational imaging of different A β plaque types in Alzheimer's disease reveals sequential events in plaque development. *Acta Neuropathologica Communications*, 8. <https://doi.org/10.1186/s40478-020-01091-5>
- Rohr, S. O., Greiner, T., Joost, S., Amor, S., Valk, P. van der, Schmitz, C., & Kipp, M. (2020). Aquaporin-4 Expression during Toxic and Autoimmune Demyelination. *Cells*, 9(10), Article 10. <https://doi.org/10.3390/cells9102187>

- Romagnoli, M., Porcellini, E., Carbone, I., Veerhuis, R., & Licastro, F. (2020). Impaired Innate Immunity Mechanisms in the Brain of Alzheimer's Disease. *International Journal of Molecular Sciences*, *21*(3). <https://doi.org/10.3390/ijms21031126>
- Roodveldt, C., Labrador-Garrido, A., Gonzalez-Rey, E., Lachaud, C. C., Guilliams, T., Fernandez-Montesinos, R., Itez-Rondan, A., Robledo, G., Hmadcha, A., Delgado, M., Dobson, C. M., & Pozo, D. (2013). Preconditioning of microglia by a-synuclein strongly affects the response induced by toll-like receptor (TLR) stimulation. *PLoS ONE*, *8*. <https://doi.org/10.1371/journal.pone.0079160>
- Rosenberger, A. F., Hilhorst, R., Coart, E., García Barrado, L., Naji, F., Rozemuller, A. J., van der Flier, W. M., Scheltens, P., Hoozemans, J. J., & van der Vies, S. M. (2015). Protein kinase activity decreases with higher Braak stages of Alzheimer's disease pathology. *Journal of Alzheimer's Disease, Preprint*, 1–17.
- Rosenberger, A. F. N., Morrema, T. H. J., Gerritsen, W. H., van Haastert, E. S., Snkhchyan, H., Hilhorst, R., Rozemuller, A. J. M., Scheltens, P., van der Vies, S. M., & Hoozemans, J. J. M. (2016). Increased occurrence of protein kinase CK2 in astrocytes in Alzheimer's disease pathology. *Journal of Neuroinflammation*, *13*, 4. <https://doi.org/10.1186/s12974-015-0470-x>
- Rosenberger, A. F., Rozemuller, A. J., van der Flier, W. M., Scheltens, P., van der Vies, S. M., & Hoozemans, J. J. (2014). Altered distribution of the EphA4 kinase in hippocampal brain tissue of patients with Alzheimer's disease correlates with pathology. *Acta Neuropathologica Communications*, *2*(1), 1–13. <https://doi.org/10.1186/s40478-014-0079-9>
- Roshanbin, S., Xiong, M., Hultqvist, G., Söderberg, L., Zachrisson, O., Meier, S., Ekmark-Lewén, S., Bergström, J., Ingelsson, M., Sehlin, D., & Syvänen, S. (2022). In vivo imaging of alpha-synuclein with antibody-based PET. *Neuropharmacology*, *208*, 108985. <https://doi.org/10.1016/j.neuropharm.2022.108985>
- Rostock, C., Schrenk-Siemens, K., Pohle, J., & Siemens, J. (2018). Human vs. Mouse Nociceptors – Similarities and Differences. *Neuroscience*, *387*, 13–27. <https://doi.org/10.1016/j.neuroscience.2017.11.047>
- Rouvroye, M. D., Bontkes, H. J., Bol, J. G. J. M., Lissenberg-Witte, B., Byrnes, V., Bennani, F., Jordanova, E. S., Wilhelmus, M. M. M., Mulder, C. J., van der Valk, P., Rozemuller, A. J. M., Bouma, G., & Van Dam, A.-M. (2023). Cerebellar presence of immune cells in patients with neuro-coeliac disease. *Acta Neuropathologica Communications*, *11*(1), 51. <https://doi.org/10.1186/s40478-023-01538-5>
- Rühling, S., Kramer, F., Schmutz, S., Amor, S., Jiangshan, Z., Schmitz, C., Kipp, M., & Hochstrasser, T. (2019). Visualization of the Breakdown of the Axonal Transport Machinery: A Comparative Ultrastructural and Immunohistochemical Approach. *Molecular Neurobiology*, *56*(6), 3984–3998. <https://doi.org/10.1007/s12035-018-1353-9>
- Rust, R., Kirabali, T., Grönnert, L., Dogancay, B., Limasale, Y. D. P., Meinhardt, A., Werner, C., Laviña, B., Kulic, L., Nitsch, R. M., Tackenberg, C., & Schwab, M. E. (2020). A Practical Guide to the Automated Analysis of Vascular Growth, Maturation and Injury in the Brain. *Frontiers in Neuroscience*, *14*. <https://doi.org/10.3389/fnins.2020.00244>
- Rydbirk, R., Elfving, B., Andersen, M. D., Langbøl, M. A., Folke, J., Winge, K., Pakkenberg, B., Brudek, T., & Aznar, S. (2017). Cytokine profiling in the prefrontal cortex of Parkinson's Disease and

- Multiple System Atrophy patients. *Neurobiology of Disease*, 106, 269–278.
<https://doi.org/10.1016/j.nbd.2017.07.014>
- Rydbirk, R., Elfving, B., Folke, J., Pakkenberg, B., Winge, K., Brudek, T., & Aznar, S. (2019). Increased prefrontal cortex interleukin-2 protein levels and shift in the peripheral T cell population in progressive supranuclear palsy patients. *Scientific Reports*, 9(1), 1–9.
<https://doi.org/10.1038/s41598-019-44234-y>
- Rydbirk, R., Folke, J., Busato, F., Roché, E., Chauhan, A. S., Løkkegaard, A., Hejl, A.-M., Bode, M., Blaabjerg, M., Møller, M., Danielsen, E. H., Brudek, T., Pakkenberg, B., Tost, J., & Aznar, S. (2020). Epigenetic modulation of ARL1 and increased HLA expression in brains of multiple system atrophy patients. *Acta Neuropathologica Communications*, 8. <https://doi.org/10.1186/s40478-020-00908-7>
- Rydbirk, R., Folke, J., Winge, K., Aznar, S., Pakkenberg, B., & Brudek, T. (2016). Assessment of brain reference genes for RT-qPCR studies in neurodegenerative diseases. *Scientific Reports*, 6, 37116.
<https://doi.org/10.1038/srep37116>
- Saal, K.-A., Galter, D., Roeber, S., Bähr, M., Tönges, L., & Lingor, P. (2017). Altered Expression of Growth Associated Protein-43 and Rho Kinase in Human Patients with Parkinson's Disease. *Brain Pathology*, 27(1), 13–25. <https://doi.org/10.1111/bpa.12346>
- Sabir, M. S., Blauwendraat, C., Ahmed, S., Serrano, G. E., Beach, T. G., Perkins, M., Rice, A. C., Masliah, E., Morris, C. M., Pihlstrom, L., Pantelyat, A., Resnick, S. M., Cookson, M. R., Hernandez, D. G., Albert, M., Dawson, T. M., Rosenthal, L. S., Houlden, H., Pletnikova, O., ... Scholz, S. W. (2019). Assessment of APOE in atypical parkinsonism syndromes. *Neurobiology of Disease*, 127, 142–146. <https://doi.org/10.1016/j.nbd.2019.02.016>
- Sáez-Orellana, F., Leroy, T., Ribeiro, F., Kreis, A., Leroy, K., Lalloyer, F., Baugé, E., Staels, B., Duyckaerts, C., Brion, J.-P., Gailly, P., Octave, J.-N., & Pierrot, N. (2021). Regulation of PPAR α by APP in Alzheimer disease affects the pharmacological modulation of synaptic activity. *JCI Insight*, 6(16), 150099. <https://doi.org/10.1172/jci.insight.150099>
- Samarasekera, N., Salman, R. A.-S., Huitinga, I., Klioueva, N., McLean, C. A., Kretzschmar, H., Smith, C., & Ironside, J. W. (2013). Brain banking for neurological disorders. *The Lancet Neurology*, 12(11), 1096–1105.
- Sancho, P., Bartesaghi, L., Miossec, O., García-García, F., Ramírez-Jiménez, L., Siddell, A., Åkesson, E., Hedlund, E., Laššuthová, P., Pascual-Pascual, S. I., Sevilla, T., Kennerson, M., Lupo, V., Chrast, R., & Espinós, C. (2019). Characterization of molecular mechanisms underlying the axonal Charcot–Marie–Tooth neuropathy caused by MORC2 mutations. *Human Molecular Genetics*, 28(10), 1629–1644. <https://doi.org/10.1093/hmg/ddz006>
- Sandberg, A., Berenjano-Correa, E., Rodriguez, R. C., Axenhus, M., Weiss, S. S., Batenburg, K., Hoozemans, J. J. M., Tjernberg, L. O., & Scheper, W. (2022). A β 42 oligomer-specific antibody ALZ-201 reduces the neurotoxicity of Alzheimer's disease brain extracts. *Alzheimer's Research & Therapy*, 14(1), 196. <https://doi.org/10.1186/s13195-022-01141-1>
- Sandebring-Matton, A., Axenhus, M., Bogdanovic, N., Winblad, B., Schedin-Weiss, S., Nilsson, P., & Tjernberg, L. O. (2021). Microdissected Pyramidal Cell Proteomics of Alzheimer Brain Reveals Alterations in Creatine Kinase B-Type, 14-3-3- γ , and Heat Shock Cognate 71. *Frontiers in Aging Neuroscience*, 13, 735334. <https://doi.org/10.3389/fnagi.2021.735334>

- Santillo, A. F., Leuzy, A., Honer, M., Landqvist Waldö, M., Tideman, P., Harper, L., Ohlsson, T., Moes, S., Giannini, L., Jögi, J., Groot, C., Ossenkoppele, R., Strandberg, O., van Swieten, J., Smith, R., & Hansson, O. (2022). [18F]RO948 tau positron emission tomography in genetic and sporadic frontotemporal dementia syndromes. *European Journal of Nuclear Medicine and Molecular Imaging*. <https://doi.org/10.1007/s00259-022-06065-4>
- Santillo, A. F., Leuzy, A., Honer, M., Landqvist Waldö, M., Tideman, P., Harper, L., Ohlsson, T., Moes, S., Giannini, L., Jögi, J., Groot, C., Ossenkoppele, R., Strandberg, O., van Swieten, J., Smith, R., & Hansson, O. (2023). [18F]RO948 tau positron emission tomography in genetic and sporadic frontotemporal dementia syndromes. *European Journal of Nuclear Medicine and Molecular Imaging*, *50*(5), 1371–1383. <https://doi.org/10.1007/s00259-022-06065-4>
- Saraceno, C., Marcello, E., Marino, D. D., Borroni, B., Claeysen, S., Perroy, J., Padovani, A., Tramontano, A., Gardoni, F., & Luca, M. D. (2014). SAP97-mediated ADAM10 trafficking from Golgi outposts depends on PKC phosphorylation. *Cell Death & Disease*, *5*(11), e1547. <https://doi.org/10.1038/cddis.2014.492>
- Savastano, A., Klafki, H., Haußmann, U., Oberstein, T. J., Muller, P., Wirths, O., Wiltfang, J., & Bayer, T. A. (2015). N-Truncated Aβ₂-X Starting with Position Two in Sporadic Alzheimer's Disease Cases and Two Alzheimer Mouse Models. *Journal of Alzheimer's Disease*, *49*(1), 101–110. <https://doi.org/10.3233/JAD-150394>
- Scarioni, M., de Koning, F., Gami-Patel, P., Fiondella, L., Timar, Y., Rozemuller, A. J. M., Hoozemans, J., Aronica, E., Raaphorst, J., Pijnenburg, Y. A. L., & Dijkstra, A. A. (2023). Motor neuron symptoms and pathology burden in de medulla oblongata of FTLD-TDP brain donors. *Alzheimer's & Dementia*, *19*(S12), e078230. <https://doi.org/10.1002/alz.078230>
- Scheepstra, K. W. F., Mizze, M. R., van Scheppingen, J., Adelia, A., Wever, D. D., Mason, M. R. J., Dubbelaar, M. L., Hsiao, C.-C., Eggen, B. J. L., Hamann, J., & Huitinga, I. (2023). Microglia Transcriptional Profiling in Major Depressive Disorder Shows Inhibition of Cortical Gray Matter Microglia. *Biological Psychiatry*, *94*(8), 619–629. <https://doi.org/10.1016/j.biopsych.2023.04.020>
- Schenk, G. J., Dijkstra, S., Hof, A. J., Pol, S., Drexhage, J. A., Valk, P., Reijerkerk, A., Horsssen, J., & Vries, H. E. (2013). Roles for HB-EGF and CD9 in multiple sclerosis. *Glia*, *61*(11), 1890–1905.
- Scheper, M., Iyer, A., Anink, J. J., Mesarosova, L., Mills, J. D., & Aronica, E. (2023). Dysregulation of miR-543 in Parkinson's disease: Impact on the neuroprotective gene SIRT1. *Neuropathology and Applied Neurobiology*, *49*(1), e12864. <https://doi.org/10.1111/nan.12864>
- Schepers, M., Paes, D., Tiane, A., Rombaut, B., Piccart, E., van Veggel, L., Gervois, P., Wolfs, E., Lambrichts, I., Brullo, C., Bruno, O., Fedele, E., Ricciarelli, R., ffrench-Constant, C., Bechler, M. E., van Schaik, P., Baron, W., Lefevre, E., Wasner, K., ... Vanmierlo, T. (2023). Selective PDE4 subtype inhibition provides new opportunities to intervene in neuroinflammatory versus myelin damaging hallmarks of multiple sclerosis. *Brain, Behavior, and Immunity*, *109*, 1–22. <https://doi.org/10.1016/j.bbi.2022.12.020>
- Schlegel, K., Awwad, K., Heym, R. G., Holzinger, D., Doell, A., Barghorn, S., Jahn, T. R., Klein, C., Mordashova, Y., Schulz, M., & Gasparini, L. (2019). N368-Tau fragments generated by legumain are detected only in trace amount in the insoluble Tau aggregates isolated from AD brain. *Acta Neuropathologica Communications*, *7*(1), 177. <https://doi.org/10.1186/s40478-019-0831-2>

- Schmidt, R. W., Woutersen, S., & Ariese, F. (2022). RamanLIGHT—a graphical user-friendly tool for pre-processing and unmixing hyperspectral Raman spectroscopy images. *Journal of Optics*, *24*(6), 064011. <https://doi.org/10.1088/2040-8986/ac6883>
- Schmitt, K., Richter, C., Backes, C., Meese, E., Ruprecht, K., & Mayer, J. (2013). Comprehensive Analysis of Human Endogenous Retrovirus Group HERV-W Locus Transcription in Multiple Sclerosis Brain Lesions by High-Throughput Amplicon Sequencing. *Journal of Virology*, *87*(24), 13837–13852. <https://doi.org/10.1128/JVI.02388-13>
- Schneider, E., El Hajj, N., Richter, S., Roche-Santiago, J., Nanda, I., Schempp, W., Riederer, P., Navarro, B., Bontrop, R. E., Kondova, I., Scholz, C. J., & Haaf, T. (2014). Widespread differences in cortex DNA methylation of the “language gene” CNTNAP2 between humans and chimpanzees. *Epigenetics*, *9*(4), 533–545. <https://doi.org/10.4161/epi.27689>
- Schneider-Hohendorf, T., Rossaint, J., Mohan, H., Böning, D., Breuer, J., Kuhlmann, T., Gross, C. C., Flanagan, K., Sorokin, L., & Vestweber, D. (2014). VLA-4 blockade promotes differential routes into human CNS involving PSGL-1 rolling of T cells and MCAM-adhesion of TH17 cells. *The Journal of Experimental Medicine*, *211*(9), 1833–1846.
- Scholtens, L. H., Pijnenburg, R., de Lange, S. C., Huitinga, I., van den Heuvel, M. P., & Netherlands Brain Bank (NBB). (2021). Common micro- and macroscale principles of connectivity in the human brain. *bioRxiv*, 2021.09.14.459604. <https://doi.org/10.1101/2021.09.14.459604>
- Scholtens, L. H., Pijnenburg, R., Lange, S. C. de, Huitinga, I., Heuvel, M. P. van den, & Bank, N. B. (2022). Common Microscale and Macroscale Principles of Connectivity in the Human Brain. *Journal of Neuroscience*, *42*(20), 4147–4163. <https://doi.org/10.1523/JNEUROSCI.1572-21.2022>
- Schoonderwoerd, R. A., de Rover, M., Janse, J. A. M., Hirschler, L., Willemse, C. R., Scholten, L., Klop, I., van Berloo, S., van Osch, M. J. P., Swaab, D. F., & Meijer, J. H. (2021). The photobiology of the human circadian clock. *bioRxiv*, 2021.10.13.463655. <https://doi.org/10.1101/2021.10.13.463655>
- Schoonderwoerd, R. A., de Rover, M., Janse, J. A. M., Hirschler, L., Willemse, C. R., Scholten, L., Klop, I., van Berloo, S., van Osch, M. J. P., Swaab, D. F., & Meijer, J. H. (2022). The photobiology of the human circadian clock. *Proceedings of the National Academy of Sciences*, *119*(13), e2118803119. <https://doi.org/10.1073/pnas.2118803119>
- Schottlaender, L. V., Polke, J. M., Ling, H., MacDoanld, N. D., Tucci, A., Nanji, T., Pittman, A., de Silva, R., Holton, J. L., Revesz, T., Sweeney, M. G., Singleton, A. B., Lees, A. J., Bhatia, K. P., & Houlden, H. (2015). The analysis of C9orf72 repeat expansions in a large series of clinically and pathologically diagnosed cases with atypical parkinsonism. *Neurobiology of Aging*, *36*(2), 1221.e1-1221.e6. <https://doi.org/10.1016/j.neurobiolaging.2014.08.024>
- Schou, M., Varnäs, K., Jureus, A., Ahlgren, C., Malmquist, J., Häggkvist, J., Tari, L., Wesolowski, S. S., Throner, S. R., Brown, D. G., Nilsson, M., Johnström, P., Finnema, S. J., Nakao, R., Amini, N., Takano, A., & Farde, L. (2016). Discovery and Preclinical Validation of [11C]AZ13153556, a Novel Probe for the Histamine Type 3 Receptor. *ACS Chemical Neuroscience*, *7*(2), 177–184. <https://doi.org/10.1021/acscchemneuro.5b00268>
- Schriever, S. C., Kabra, D. G., Pfuhlmann, K., Baumann, P., Baumgart, E. V., Nagler, J., Seebacher, F., Harrison, L., Irmler, M., Kullmann, S., Corrêa-da-Silva, F., Giesert, F., Jain, R., Schug, H., Castel, J., Martinez, S., Wu, M., Häring, H.-U., de Angelis, M. H., ... Pfluger, P. T. (2020). Type 2 diabetes risk

- gene Dusp8 regulates hypothalamic Jnk signaling and insulin sensitivity. *Journal of Clinical Investigation*, 130(11), 6093–6108. <https://doi.org/10.1172/JCI136363>
- Schultz, N., Byman, E., Fex, M., & Wennström, M. (2017). Amylin alters human brain pericyte viability and NG2 expression. *Journal of Cerebral Blood Flow & Metabolism*, 37(4), 1470–1482. <https://doi.org/10.1177/0271678X16657093>
- Schulze, M., Sommer, A., Plötz, S., Farrell, M., Winner, B., Grosch, J., Winkler, J., & Riemenschneider, M. J. (2018). Sporadic Parkinson's disease derived neuronal cells show disease-specific mRNA and small RNA signatures with abundant deregulation of piRNAs. *Acta Neuropathologica Communications*, 6(1), 58. <https://doi.org/10.1186/s40478-018-0561-x>
- Schütt, T., Helboe, L., Pedersen, L. Ø., Waldemar, G., Berendt, M., & Pedersen, J. T. (2016). Dogs with Cognitive Dysfunction as a Spontaneous Model for Early Alzheimer's Disease: A Translational Study of Neuropathological and Inflammatory Markers. *Journal of Alzheimer's Disease*, 52(2), 433–449. <https://doi.org/10.3233/JAD-151085>
- Schwab, B. C., Heida, T., Zhao, Y., van Gils, S. A., & van Wezel, R. J. A. (2014). Pallidal gap junctions-triggers of synchrony in Parkinson's disease? *Movement Disorders*, 29(12), 1486–1494. <https://doi.org/10.1002/mds.25987>
- Scovini, F., Giudice, L., Väänänen, M.-A., Downes, N., Korhonen, P., Choo, X. Y., Välimäki, N.-N., Mäkinen, P., Korvenlaita, N., Rozemuller, A. J., de Vries, H. E., Polo, J., Turunen, T. A., Ylä-Herttua, S., Hansen, T. B., Grubman, A., Kaikkonen, M. U., & Malm, T. (n.d.). Alzheimer's disease-induced phagocytic microglia express a specific profile of coding and non-coding RNAs. *Alzheimer's & Dementia*, n/a(n/a). <https://doi.org/10.1002/alz.13502>
- Sebastián-Serrano, Á., Simón-García, A., Belmonte-Alfaro, A., Pose-Utrilla, J., Santos-Galindo, M., Puerto, A. del, García-Guerra, L., Hernández, I. H., Schiavo, G., Campanero, M. R., Lucas, J. J., & Iglesias, T. (2020). Differential regulation of Kidins220 isoforms in Huntington's disease. *Brain Pathology*, 30(1), 120–136. <https://doi.org/10.1111/bpa.12761>
- Sedmak, D., Hrvoj-Mihić, B., Džaja, D., Habek, N., Uylings, H. B. M., & Petanjek, Z. (2018). Biphasic dendritic growth of dorsolateral prefrontal cortex associative neurons and early cognitive development. *Croatian Medical Journal*, 59(5), 189. <https://doi.org/10.3325/cmj.2018.59.189>
- Semizoglou, E., Gentry, C., Vastani, N., Stucky, C. L., Andersson, D. A., & Bevan, S. (2022). *TRPA1 analgesia is mediated by kappa opioid receptors* (p. 2022.09.01.506151). bioRxiv. <https://doi.org/10.1101/2022.09.01.506151>
- Sepulveda-Falla, D., Barrera-Ocampo, A., Hagel, C., Korwitz, A., Vinueza-Veloz, M. F., Zhou, K., Schonewille, M., Zhou, H., Velazquez-Perez, L., Rodriguez-Labrada, R., Villegas, A., Ferrer, I., Lopera, F., Langer, T., De Zeeuw, C. I., & Glatzel, M. (2014). Familial Alzheimer's disease-associated presenilin-1 alters cerebellar activity and calcium homeostasis. *The Journal of Clinical Investigation*, 124(4), 1552–1567. <https://doi.org/10.1172/JCI66407>
- Sestito, C., Brevé, J. J. P., Bol, J. G. J. M., Wilhelmus, M. M. M., Drukarch, B., & van Dam, A.-M. (2020). Tissue Transglutaminase contributes to myelin phagocytosis in interleukin-4-treated human monocyte-derived macrophages. *Cytokine*, 128, 155024. <https://doi.org/10.1016/j.cyto.2020.155024>
- Sevenich, M., Honold, D., Willuweit, A., Kutzsche, J., Mohrlüder, J., & Willbold, D. (2022). Development of an α -synuclein fibril and oligomer specific tracer for diagnosis of Parkinson's

- disease, dementia with Lewy bodies and multiple system atrophy. *Neurochemistry International*, 161, 105422. <https://doi.org/10.1016/j.neuint.2022.105422>
- Shahmoradian, S. H., Lewis, A. J., Genoud, C., Hench, J., Moors, T. E., Navarro, P. P., Castaño-Díez, D., Schweighauser, G., Graff-Meyer, A., Goldie, K. N., Sütterlin, R., Huisman, E., Ingrassia, A., Gier, Y. de, Rozemuller, A. J. M., Wang, J., Paepe, A. D., Erny, J., Staempfli, A., ... Lauer, M. E. (2019). Lewy pathology in Parkinson's disease consists of crowded organelles and lipid membranes. *Nature Neuroscience*, 22(7), 1099–1109. <https://doi.org/10.1038/s41593-019-0423-2>
- Shahmoradian, S. H., Lewis, A. J., Genoud, C., Hench, J., Moors, T. E., Navarro, P. P., Castaño-Díez, D., Schweighauser, G., Graff-Meyer, A., Goldie, K. N., Sütterlin, R., Huisman, E., Ingrassia, A., Gier, Y. D., Rozemuller, A. J. M., Wang, J., Paepe, A. D., Erny, J., Staempfli, A., ... Lauer, M. E. (2019). Lewy pathology in Parkinson's disease consists of crowded organelles and lipid membranes. *Nature Neuroscience*, 22(7), 1099–1109. <https://doi.org/10.1038/s41593-019-0423-2>
- Shahmoradian, S. H., Lewis, A. J., Genoud, C., Hench, J., Moors, T., Navarro, P. P., Castaño-Díez, D., Schweighauser, G., Ingrassia, A., Gier, Y. de, Rozemuller, A. J. M., Wang, J., Paepe, A. D., Erny, J., Staempfli, A., Hoernschemeyer, J., Großerüschkamp, F., Niedieker, D., El-Mashtoly, S. F., ... Lauer, M. E. (2018). Lewy pathology in Parkinson's disease consists of a crowded organellar, membranous medley. *bioRxiv*, 137976. <https://doi.org/10.1101/137976>
- Shakhbazau, A., Schenk, G. J., Hay, C., Kawasoe, J., Klaver, R., Yong, V. W., Geurts, J. J. G., & Minnen, J. van. (2016). Demyelination induces transport of ribosome-containing vesicles from glia to axons: Evidence from animal models and MS patient brains. *Molecular Biology Reports*, 43(6), 495–507. <https://doi.org/10.1007/s11033-016-3990-2>
- Shan, L., Balesar, R., Swaab, D. F., Lammers, G. J., & Fronczek, R. (2022). Reduced Numbers of Corticotropin-Releasing Hormone Neurons in Narcolepsy Type 1. *Annals of Neurology*, 91(2), 282–288. <https://doi.org/10.1002/ana.26300>
- Shan, L., Bao, A.-M., & Swaab, D. F. (2015). The human histaminergic system in neuropsychiatric disorders. *Trends in Neurosciences*, 38(3), 167–177. <https://doi.org/10.1016/j.tins.2014.12.008>
- Shan, L., Bao, A.-M., & Swaab, D. F. (2017). Changes in Histidine Decarboxylase, Histamine N-Methyltransferase and Histamine Receptors in Neuropsychiatric Disorders. In Y. Hattori & R. Seifert (Eds.), *Histamine and Histamine Receptors in Health and Disease* (pp. 259–276). Springer International Publishing. https://doi.org/10.1007/164_2016_125
- Shan, L., Linssen, S., Harteman, Z., den Dekker, F., Shuker, L., Balesar, R., Breesuwsma, N., Anink, J., Zhou, J., Lammers, G. J., Swaab, D. F., & Fronczek, R. (2023). Activated Wake Systems in Narcolepsy Type 1. *Annals of Neurology*, 94(4), 762–771. <https://doi.org/10.1002/ana.26736>
- Shan, L., Qi, X.-R., Balesar, R., Swaab, D. F., & Bao, A.-M. (2013). Unaltered histaminergic system in depression: A postmortem study. *Journal of Affective Disorders*, 146(2), 220–223. <https://doi.org/10.1016/j.jad.2012.09.008>
- Shan, L., Swaab, D. F., & Bao, A.-M. (2013). Neuronal histaminergic system in aging and age-related neurodegenerative disorders. *Proceedings of the Eleventh International Symposium on the Neurobiology and Neuroendocrinology of Aging*, 48(7), 603–607. <https://doi.org/10.1016/j.exger.2012.08.002>

- Shan, Q.-H., Qin, X.-Y., Zhou, N., Huang, C., Wang, Y., Chen, P., & Zhou, J.-N. (2022). A method for ultrafast tissue clearing that preserves fluorescence for multimodal and longitudinal brain imaging. *BMC Biology*, *20*(1), 77. <https://doi.org/10.1186/s12915-022-01275-6>
- Shi, Y., Song, R., Wang, L., Qi, Y., Zhang, H., Zhu, J., Zhang, X., Tang, X., Zhan, Q., Zhao, Y., Swaab, D. F., Bao, A.-M., & Zhang, Z. (2020). Identifying Plasma Biomarkers with high specificity for major depressive disorder: A multi-level proteomics study. *Journal of Affective Disorders*, *277*, 620–630. <https://doi.org/10.1016/j.jad.2020.08.078>
- Shiers, S., Sahn, J. J., & Price, T. J. (2023). MNK1 and MNK2 Expression in the Human Dorsal Root and Trigeminal Ganglion. *Neuroscience*, *515*, 96–107. <https://doi.org/10.1016/j.neuroscience.2023.01.039>
- Shim, K.-H., Kim, S.-H., Hur, J., Kim, D.-H., Demirev, A. V., & Yoon, S.-Y. (2019). Small-molecule drug screening identifies drug Ro 31-8220 that reduces toxic phosphorylated tau in *Drosophila melanogaster*. *Neurobiology of Disease*, *130*, 104519. <https://doi.org/10.1016/j.nbd.2019.104519>
- Sikkema, A. H., Stoffels, J. M. J., Wang, P., Basedow, F. J., Bultink, R., Bajramovic, J. J., & Baron, W. (2018). Fibronectin aggregates promote features of a classically and alternatively activated phenotype in macrophages. *Journal of Neuroinflammation*, *15*(1), 218. <https://doi.org/10.1186/s12974-018-1238-x>
- Siljee, J. E., Unmehopa, U. A., Kalsbeek, A., Swaab, D. F., Fliers, E., & Alkemade, A. (2013). Melanocortin 4 receptor distribution in the human hypothalamus. *European Journal of Endocrinology*, *168*(3), 361–369. <https://doi.org/10.1530/EJE-12-0750>
- Simchovitz, A., Hanan, M., Niederhoffer, N., Madrer, N., Yayon, N., Bennett, E. R., Greenberg, D. S., Kadener, S., & Soreq, H. (2019). NEAT1 is overexpressed in Parkinson's disease substantia nigra and confers drug-inducible neuroprotection from oxidative stress. *The FASEB Journal*, *33*(10), 11223–11234. <https://doi.org/10.1096/fj.201900830R>
- Simchovitz, A., Hanan, M., Yayon, N., Lee, S., Bennett, E. R., Greenberg, D. S., Kadener, S., & Soreq, H. (2020). A lncRNA survey finds increases in neuroprotective LINC-PINT in Parkinson's disease substantia nigra. *Aging Cell*, *19*(3). <https://doi.org/10.1111/accel.13115>
- Singleton, E. H., Pijnenburg, Y. A. L., Gami-Patel, P., Boon, B. D. C., Bouwman, F., Papma, J. M., Seelaar, H., Scheltens, P., Grinberg, L. T., Spina, S., Nana, A. L., Rabinovici, G. D., Seeley, W. W., Ossenkoppele, R., & Dijkstra, A. A. (2022). The behavioral variant of Alzheimer's disease does not show a selective loss of Von Economo and phylogenetically related neurons in the anterior cingulate cortex. *Alzheimer's Research & Therapy*, *14*(1), 11. <https://doi.org/10.1186/s13195-021-00947-9>
- Singleton, E. H., Pijnenburg, Y. A. L., Gami-Patel, P., Boon, B. D. C., Bouwman, F., Papma, J., Seelaar, H., Scheltens, P., Grinberg, L. T., Spina, S., Nana, A. L., Rabinovici, G. D., Seeley, W. W., Ossenkoppele, R., & Dijkstra, A. A. (2021). The behavioral variant of Alzheimer's disease does not show a selective loss of Von Economo and phylogenetically related neurons in the anterior cingulate cortex. *medRxiv*, 2021.10.30.21265649. <https://doi.org/10.1101/2021.10.30.21265649>
- Singleton, E., Hansson, O., Pijnenburg, Y. A. L., Joie, R. L., Mantyh, W. G., Tideman, P., Stomrud, E., Leuzy, A., Johansson, M., Strandberg, O., Smith, R., Berendrecht, E., Miller, B. L., Iaccarino, L., Edwards, L., Strom, A., Wolters, E. E., Coomans, E., Visser, D., ... Ossenkoppele, R. (2021).

- Heterogeneous distribution of tau pathology in the behavioural variant of Alzheimer's disease. *Journal of Neurology, Neurosurgery & Psychiatry*. <https://doi.org/10.1136/jnnp-2020-325497>
- Slabe, Z., Balesar, R. A., Verwer, R. W. H., Heerikhuizen, J. J. V., Pechler, G. A., Zorović, M., Hoogendijk, W. J. G., & Swaab, D. F. (2023). Alterations in pituitary adenylate cyclase-activating polypeptide in major depressive disorder, bipolar disorder, and comorbid depression in Alzheimer's disease in the human hypothalamus and prefrontal cortex. *Psychological Medicine*, *53*(16), 7537–7549. <https://doi.org/10.1017/S0033291723001265>
- Slabe, Z., Pechler, G. A., van Heerikhuizen, J., Samuels, B. A., Živin, M., Zorović, M., & Swaab, D. F. (2023). Increased pituitary adenylate cyclase-activating polypeptide in the central bed nucleus of the stria terminalis in mood disorders in men. *Neurobiology of Disease*, *183*, 106191. <https://doi.org/10.1016/j.nbd.2023.106191>
- Smit, T., Ormel, P. R., Sluijs, J. A., Hulshof, L. A., Middeldorp, J., de Witte, L. D., Hol, E. M., & Donega, V. (2022). Transcriptomic and functional analysis of Aβ1-42 oligomer-stimulated human monocyte-derived microglia-like cells. *Brain, Behavior, and Immunity*, *100*, 219–230. <https://doi.org/10.1016/j.bbi.2021.12.001>
- Smith, R., Capotosti, F., Schain, M., Ohlsson, T., Vokali, E., Molette, J., Touilloux, T., Hliva, V., Dimitrakopoulos, I. K., Puschmann, A., Jögi, J., Svenningsson, P., Andréasson, M., Sandiego, C., Russell, D. S., Miranda-Azpiazu, P., Halldin, C., Stomrud, E., Hall, S., ... Hansson, O. (2023). The α-synuclein PET tracer [18F] ACI-12589 distinguishes multiple system atrophy from other neurodegenerative diseases. *Nature Communications*, *14*(1), Article 1. <https://doi.org/10.1038/s41467-023-42305-3>
- Smolders, J., Heutinck, K. M., Fransen, N. L., Remmerswaal, E. B. M., Hombrink, P., Berge, I. J. M. ten, Lier, R. A. W. van, Huitinga, I., & Hamann, J. (2018). Tissue-resident memory T cells populate the human brain. *Nature Communications*, *9*(1), 1–14. <https://doi.org/10.1038/s41467-018-07053-9>
- Smolders, J., Remmerswaal, E. B., Schuurman, K. G., Melief, J., van Eden, C. G., van Lier, R. A., Huitinga, I., & Hamann, J. (2013). Characteristics of differentiated CD8+ and CD4+ T cells present in the human brain. *Acta Neuropathologica*, *126*(4), 525–535.
- Smolders, J., Schuurman, K. G., van Strien, M. E., Melief, J., Hendrickx, D., Hol, E. M., van Eden, C., Luchetti, S., & Huitinga, I. (2013). Expression of Vitamin D Receptor and Metabolizing Enzymes in Multiple Sclerosis—Affected Brain Tissue. *Journal of Neuropathology & Experimental Neurology*, *72*(2), 91–105.
- Sneeboer, M. A. M., Snijders, G. J. L. J., Berdowski, W. M., Fernández-Andreu, A., van Mierlo, H. C., Berdenis van Berlekom, A., Litjens, M., Kahn, R. S., Hol, E. M., & de Witte, L. D. (2019). Microglia in post-mortem brain tissue of patients with bipolar disorder are not immune activated. *Translational Psychiatry*, *9*(1), 1–10. <https://doi.org/10.1038/s41398-019-0490-x>
- Sneeboer, M. A. M., van der Doef, T., Litjens, M., Psy, N. B. B., Melief, J., Hol, E. M., Kahn, R. S., & de Witte, L. D. (2019). Microglial activation in schizophrenia: Is translocator 18 kDa protein (TSPO) the right marker? *Schizophrenia Research*. <https://doi.org/10.1016/j.schres.2019.10.045>
- Snijders, G. J. L. J., Lopes, K. de P., Sneeboer, M. A. M., Muller, B. Z., Gigase, F. A. J., Vialle, R. A., Missall, R., Kubler, R., Raj, T., Humphrey, J., & Witte, L. D. de. (2023). *The human microglia responsive: A resource to better understand microglia states in health and disease* (p. 2023.10.12.562067). bioRxiv. <https://doi.org/10.1101/2023.10.12.562067>

- Snijders, G. J. L. J., Sneeboer, M. A. M., Fernández-Andreu, A., Udine, E., Boks, M. P., Ormel, P. R., van Berlekom, A. B., van Mierlo, H. C., Böttcher, C., Priller, J., Raj, T., Hol, E. M., Kahn, R. S., de Witte, L. D., & Psychiatric Donor Program of the Netherlands Brain Bank, (NBB-PSY). (2021). Distinct non-inflammatory signature of microglia in post-mortem brain tissue of patients with major depressive disorder. *Molecular Psychiatry*, 26(7), 3336–3349. <https://doi.org/10.1038/s41380-020-00896-z>
- Snijders, G. J. L. J., van Zuiden, W., Sneeboer, M. A. M., Berdenis van Berlekom, A., van der Geest, A. T., Schnieder, T., MacIntyre, D. J., Hol, E. M., Kahn, R. S., & de Witte, L. D. (2021). A loss of mature microglial markers without immune activation in schizophrenia. *Glia*, 69(5), 1251–1267. <https://doi.org/10.1002/glia.23962>
- Sobek, J., Li, J., Combes, B. F., Gerez, J. A., Nilsson, P. K., Henrich, M. T., Geibl, F. F., Shi, K., Rominger, A., Oertel, W. H., Nitsch, R. M., Nordberg, A., Ågren, H., Riek, R., & Ni, R. (2023). *Efficient characterization of multiple binding sites of small molecule imaging ligands on amyloid-beta, 4-repeat/full-length tau and alpha-synuclein* [Preprint]. *Pharmacology and Toxicology*. <https://doi.org/10.1101/2023.03.12.531651>
- Söderberg, L., Johannesson, M., Nygren, P., Laudon, H., Eriksson, F., Osswald, G., Möller, C., & Lannfelt, L. (2022). Lecanemab, Aducanumab, and Gantenerumab—Binding Profiles to Different Forms of Amyloid-Beta Might Explain Efficacy and Side Effects in Clinical Trials for Alzheimer’s Disease. *Neurotherapeutics*. <https://doi.org/10.1007/s13311-022-01308-6>
- Söderberg, L., Johannesson, M., Nygren, P., Laudon, H., Eriksson, F., Osswald, G., Möller, C., & Lannfelt, L. (2023). Lecanemab, Aducanumab, and Gantenerumab—Binding Profiles to Different Forms of Amyloid-Beta Might Explain Efficacy and Side Effects in Clinical Trials for Alzheimer’s Disease. *Neurotherapeutics*, 20(1), 195–206. <https://doi.org/10.1007/s13311-022-01308-6>
- Soheili-Nezhad, S., Linden, R. J. van der, Rikkert, M. O., Sprooten, E., & Poelmans, G. (2021). Long genes are more frequently affected by somatic mutations and show reduced expression in Alzheimer’s disease: Implications for disease etiology. *Alzheimer’s & Dementia*, 17(3), 489–499. <https://doi.org/10.1002/alz.12211>
- Sola, M., Rendon-Angel, A., Rojo Martinez, V., Sgrignani, J., Magrin, C., Piovesana, E., Cavalli, A., Paganetti, P., & Papin, S. (2023). Tau protein binds to the P53 E3 ubiquitin ligase MDM2. *Scientific Reports*, 13(1), Article 1. <https://doi.org/10.1038/s41598-023-37046-8>
- Sommer, A., Marxreiter, F., Krach, F., Fadler, T., Grosch, J., Maroni, M., Graef, D., Eberhardt, E., Riemenschneider, M. J., Yeo, G. W., Kohl, Z., Xiang, W., Gage, F. H., Winkler, J., Prots, I., & Winner, B. (2018). Th17 Lymphocytes Induce Neuronal Cell Death in a Human iPSC-Based Model of Parkinson’s Disease. *Cell Stem Cell*, 23(1), 123-131.e6. <https://doi.org/10.1016/j.stem.2018.06.015>
- Somogyi, A., Kirkham, E. D., Lloyd-Evans, E., Winston, J., Allen, N. D., Mackrill, J. J., Anderson, K. E., Hawkins, P. T., Gardiner, S. E., Waller-Evans, H., Sims, R., Boland, B., & O’Neill, C. (2023). The synthetic TRPML1 agonist ML-SA1 rescues Alzheimer-related alterations of the endosomal-autophagic-lysosomal system. *Journal of Cell Science*, 136(6), jcs259875. <https://doi.org/10.1242/jcs.259875>
- Son, G., Steinbusch, H. W. M., López-Iglesias, C., Moon, C., & Jahanshahi, A. (2021). Severe histomorphological alterations in post-mortem olfactory glomeruli in Alzheimer’s disease. *Brain Pathology*, n/a(n/a), e13033. <https://doi.org/10.1111/bpa.13033>

- Son, G., Steinbusch, H. W. M., López-Iglesias, C., Moon, C., & Jahanshahi, A. (2022). Severe histomorphological alterations in post-mortem olfactory glomeruli in Alzheimer's disease. *Brain Pathology*, 32(2), e13033. <https://doi.org/10.1111/bpa.13033>
- Son, H., Kim, J. H., Kim, I. B., Kim, M.-H., Sim, N. S., Kim, D.-S., Lee, J., Lee, J. H., & Kim, S. (2021). Multi-organ analysis of low-level somatic mosaicism reveals stage- and tissue-specific mutational features in human development. *bioRxiv*, 2021.08.23.457440. <https://doi.org/10.1101/2021.08.23.457440>
- Song, C., Shi, J., Xu, J., Zhao, L., Zhang, Y., Huang, W., Qiu, Y., Zhang, R., Chen, H., & Wang, H. (2021). Post-transcriptional regulation of $\alpha 7$ nAChR expression by miR-98-5p modulates cognition and neuroinflammation in an animal model of Alzheimer's disease. *The FASEB Journal*, 35(6), e21658. <https://doi.org/10.1096/fj.202100257R>
- Song, C., Zhang, Y., Huang, W., Shi, J., Huang, Q., Jiang, M., Qiu, Y., Wang, T., Chen, H., & Wang, H. (2021). Circular RNA Cwc27 contributes to Alzheimer's disease pathogenesis by repressing Pur- α activity. *Cell Death & Differentiation*, 1–14. <https://doi.org/10.1038/s41418-021-00865-1>
- Song, C., Zhang, Y., Huang, W., Shi, J., Huang, Q., Jiang, M., Qiu, Y., Wang, T., Chen, H., & Wang, H. (2022). Circular RNA Cwc27 contributes to Alzheimer's disease pathogenesis by repressing Pur- α activity. *Cell Death & Differentiation*, 29(2), Article 2. <https://doi.org/10.1038/s41418-021-00865-1>
- Song, H., Kim, W., Choi, J.-H., Kim, S.-H., Lee, D., Park, C.-H., Kim, S., Kim, D.-Y., & Kim, K.-T. (2016). Stress-induced nuclear translocation of CDK5 suppresses neuronal death by downregulating ERK activation via VRK3 phosphorylation. *Scientific Reports*, 6, 28634. <https://doi.org/10.1038/srep28634>
- Song, H., Kim, W., Kim, S.-H., & Kim, K.-T. (2016). VRK3-mediated nuclear localization of HSP70 prevents glutamate excitotoxicity-induced apoptosis and A β accumulation via enhancement of ERK phosphatase VHR activity. *Scientific Reports*, 6. <https://doi.org/10.1038/srep38452>
- Song, H.-L., Kim, N.-Y., Park, J., Kim, M. I., Jeon, Y.-N., Lee, S.-J., Cho, K., Shim, Y.-L., Lee, K.-H., Mun, Y.-S., Song, J.-A., Kim, M.-S., Park, C.-G., Jung, M., Jang, H., Na, D. L., Hong, M., Kim, D.-H., & Yoon, S.-Y. (2023). Monoclonal antibody Y01 prevents tauopathy progression induced by lysine 280-acetylated tau in cell and mouse models. *The Journal of Clinical Investigation*, 133(8). <https://doi.org/10.1172/JCI156537>
- Sorelli, M., Costantini, I., Bocchi, L., Axer, M., Pavone, F. S., & Mazzamuto, G. (2023). Fiber enhancement and 3D orientation analysis in label-free two-photon fluorescence microscopy. *Scientific Reports*, 13(1), Article 1. <https://doi.org/10.1038/s41598-023-30953-w>
- Soreq, L., Guffanti, A., Salomonis, N., Simchovitz, A., Israel, Z., Bergman, H., & Soreq, H. (2014). Long non-coding RNA and alternative splicing modulations in Parkinson's leukocytes identified by RNA sequencing. *PLoS Comput Biol*, 10(3), e1003517.
- Spaas, J., Franssen, W. M. A., Keytsman, C., Blancquaert, L., Vanmierlo, T., Bogie, J., Broux, B., Hellings, N., van Horssen, J., Posa, D. K., Hoetker, D., Baba, S. P., Derave, W., & Eijnde, B. O. (2021). Carnosine quenches the reactive carbonyl acrolein in the central nervous system and attenuates autoimmune neuroinflammation. *Journal of Neuroinflammation*, 18(1), 255. <https://doi.org/10.1186/s12974-021-02306-9>

- Spaas, J., Van der Stede, T., de Jager, S., van de Waterweg Berends, A., Tiane, A., Baelde, H., Baba, S. P., Eckhardt, M., Wolfs, E., Vanmierlo, T., Hellings, N., Eijnde, B. O., & Derave, W. (2023). Carnosine synthase deficiency aggravates neuroinflammation in multiple sclerosis. *Progress in Neurobiology*, *231*, 102532. <https://doi.org/10.1016/j.pneurobio.2023.102532>
- Speicher, A. M., Korn, L., Csatári, J., Gonzalez-Cano, L., Heming, M., Thomas, C., Schroeter, C. B., Schafflick, D., Li, X., Gola, L., Engler, A., Kaehne, T., Vallier, L., Meuth, S. G., Meyer zu Hörste, G., Kovac, S., Wiendl, H., Schöler, H. R., & Pawlowski, M. (2022). Deterministic programming of human pluripotent stem cells into microglia facilitates studying their role in health and disease. *Proceedings of the National Academy of Sciences*, *119*(43), e2123476119. <https://doi.org/10.1073/pnas.2123476119>
- Spencer, S. A., Suárez-Pozos, E., Soto-Verdugo, J., Wang, H., Afshari, F. S., Li, G., Manam, S., Yasuda, D., Ortega, A., Lister, J. A., Ishii, S., Zhang, Y., & Fuss, B. (2022). Lysophosphatidic acid signaling via LPA6: A negative modulator of developmental oligodendrocyte maturation. *Journal of Neurochemistry*, *163*(6), 478–499. <https://doi.org/10.1111/jnc.15696>
- Stanic, J., Mellone, M., Napolitano, F., Racca, C., Zianni, E., Minocci, D., Ghiglieri, V., Thiolat, M.-L., Li, Q., Longhi, A., De Rosa, A., Picconi, B., Bezard, E., Calabresi, P., Di Luca, M., Usiello, A., & Gardoni, F. (2017). Rabphilin 3A: A novel target for the treatment of levodopa-induced dyskinesias. *Neurobiology of Disease*, *108*, 54–64. <https://doi.org/10.1016/j.nbd.2017.08.001>
- Stargardt, A., Gillis, J., Kamphuis, W., Wiemhoefer, A., Kooijman, L., Raspe, M., Benckhuijsen, W., Drijfhout, J. W., M Hol, E., & Reits, E. (2013). Reduced amyloid- β degradation in early Alzheimer's disease but not in the APPswePS1dE9 and 3xTg-AD mouse models. *Aging Cell*, *12*(3), 499–507.
- Stede, T. V. der, Spaas, J., Jager, S. de, Brandt, J. D., Hansen, C., Stautemas, J., Vercammen, B., Baere, S. D., Croubels, S., Assche, C.-H. V., Pastor, B. C., Vandenbosch, M., Thienen, R. V., Verboven, K., Hansen, D., Bové, T., Lapauw, B., Praet, C. V., Decaestecker, K., ... Derave, W. (2023). *Extensive profiling of histidine-containing dipeptides reveals species- and tissue-specific distribution and metabolism in mice, rats and humans* (p. 2023.02.16.528841). bioRxiv. <https://doi.org/10.1101/2023.02.16.528841>
- Stepanov, V., Svedberg, M., Jia, Z., Krasikova, R., Lemoine, L., Okamura, N., Furumoto, S., Mitsios, N., Mulder, J., Långström, B., Nordberg, A., & Halldin, C. (2017). Development of [11C]/[3H]THK-5351 – A potential novel carbon-11 tau imaging PET radioligand. *Nuclear Medicine and Biology*, *46*, 50–53. <https://doi.org/10.1016/j.nuclmedbio.2016.12.004>
- Stepanova, V., Moczulska, K. E., Vacano, G. N., Kurochkin, I., Ju, X., Riesenberger, S., Macak, D., Maricic, T., Dombrowski, L., Schörnig, M., Anastassiadis, K., Baker, O., Naumann, R., Khrameeva, E., Vanushkina, A., Stekolshchikova, E., Egorova, A., Tkachev, A., Mazzarino, R., ... Pääbo, S. (2021). Reduced purine biosynthesis in humans after their divergence from Neandertals. *eLife*, *10*, e58741. <https://doi.org/10.7554/eLife.58741>
- Stoffels, J. M., de Jonge, J. C., Stancic, M., Nomden, A., van Strien, M. E., Ma, D., Šišková, Z., Maier, O., Franklin, R. J., & Hoekstra, D. (2013). Fibronectin aggregation in multiple sclerosis lesions impairs remyelination. *Brain*, *136*(1), 116–131.
- Straumann, N., Combes, B. F., Dean Ben, X. L., Sternke-Hoffmann, R., Gerez, J. A., Dias, I., Chen, Z., Watts, B., Rostami, I., Shi, K., Rominger, A., Baumann, C. R., Luo, J., Noain, D., Nitsch, R. M., Okamura, N., Razansky, D., & Ni, R. (2023). Visualizing alpha-synuclein and iron deposition in M83

- mouse model of Parkinson's disease in vivo. *bioRxiv*, 2023.06.28.546962.
<https://doi.org/10.1101/2023.06.28.546962>
- Strijbis, E. M. M., Kooi, E.-J., van der Valk, P., & Geurts, J. J. G. (2017). Cortical Remyelination Is Heterogeneous in Multiple Sclerosis. *Journal of Neuropathology & Experimental Neurology*, 76(5), 390–401. <https://doi.org/10.1093/jnen/nlx023>
- Stueber, C., Morawski, M., Schäfer, A., Labadie, C., Wähnert, M., Leuze, C., Streicher, M., Barapatre, N., Reimann, K., & Geyer, S. (2014). Myelin and iron concentration in the human brain: A quantitative study of MRI contrast. *Neuroimage*, 93, 95–106.
- Sun, D., Yu, Z., Fang, X., Liu, M., Pu, Y., Shao, Q., Wang, D., Zhao, X., Huang, A., Xiang, Z., Zhao, C., Franklin, R. J., Cao, L., & He, C. (2017). LncRNA GAS5 inhibits microglial M2 polarization and exacerbates demyelination. *EMBO Reports*, 18(10), 1801–1816.
<https://doi.org/10.15252/embr.201643668>
- Sun, J., Zhu, K., Wang, Y., Wang, D., Zhang, M., Sarlus, H., Benito-Cuesta, I., Zhao, X., Zou, Z., Zhong, Q., Feng, Y., Wu, S., Wang, Y., Harris, R. A., & Wang, J. (2022). Activation of TRPV1 receptor facilitates myelin repair following demyelination via the regulation of microglial function. *Acta Pharmacologica Sinica*, 1–14. <https://doi.org/10.1038/s41401-022-01000-7>
- Swaab, D. F., & Bao, A.-M. (2021). Chapter 9—Matching of the postmortem hypothalamus from patients and controls. In D. F. Swaab, F. Kreier, P. J. Lucassen, A. Salehi, & R. M. Buijs (Eds.), *Handbook of Clinical Neurology* (Vol. 179, pp. 141–156). Elsevier. <https://doi.org/10.1016/B978-0-12-819975-6.00007-8>
- Szeliga, M., & Rola, R. (2022). Menadione Potentiates Auranofin-Induced Glioblastoma Cell Death. *International Journal of Molecular Sciences*, 23(24), Article 24.
<https://doi.org/10.3390/ijms232415712>
- Szeliga, M., & Rola, R. (2023). Conoidin A, a Covalent Inhibitor of Peroxiredoxin 2, Reduces Growth of Glioblastoma Cells by Triggering ROS Production. *Cells*, 12(15), Article 15.
<https://doi.org/10.3390/cells12151934>
- Szulzewsky, F., Arora, S., de Witte, L., Ulas, T., Markovic, D., Schultze, J. L., Holland, E. C., Synowitz, M., Wolf, S. A., & Kettenmann, H. (2016). Human glioblastoma-associated microglia/monocytes express a distinct RNA profile compared to human control and murine samples. *Glia*, 64(8), 1416–1436. <https://doi.org/10.1002/glia.23014>
- Tang, Z., Bereczki, E., Zhang, H., Wang, S., Li, C., Ji, X., Branca, R. M., Lehtiö, J., Guan, Z., Filipcik, P., Xu, S., Winblad, B., & Pei, J.-J. (2013). Mammalian Target of Rapamycin (mTor) Mediates Tau Protein Dyshomeostasis: IMPLICATION FOR ALZHEIMER DISEASE. *Journal of Biological Chemistry*, 288(22), 15556–15570. <https://doi.org/10.1074/jbc.M112.435123>
- Tang, Z., Chen, Z., Min, G., Peng, Y., Xiao, Y., Guan, Z., Ni, R., & Qi, X. (2023). *NRF2 deficiency promotes ferroptosis of astrocytes mediated by oxidative stress in Alzheimer's disease* (p. 2023.03.12.532248). *bioRxiv*. <https://doi.org/10.1101/2023.03.12.532248>
- Tang, Z., Ioja, E., Bereczki, E., Hultenby, K., Li, C., Guan, Z., Winblad, B., & Pei, J.-J. (2015). mTor mediates tau localization and secretion: Implication for Alzheimer's disease. *Biochimica et Biophysica Acta (BBA) - Molecular Cell Research*, 1853(7), 1646–1657.
<https://doi.org/10.1016/j.bbamcr.2015.03.003>

- Tasegian, A., Paciotti, S., Ceccarini, M. R., Codini, M., Moors, T., Chiasserini, D., Albi, E., Winchester, B., van de Berg, W. D. J., Parnetti, L., & Beccari, T. (2017). Origin of α -mannosidase activity in CSF. *The International Journal of Biochemistry & Cell Biology*, *87*, 34–37. <https://doi.org/10.1016/j.biocel.2017.03.016>
- Tauber, M., Diene, G., Mimoun, E., Cabal-Berthoumieu, S., Mantoulan, C., Molinas, C., Muscatelli, F., & Salles, J. P. (2014). Prader-Willi syndrome as a model of human hyperphagia. *Frontiers of Hormone Research*, *42*, 93–106. <https://doi.org/10.1159/000358317>
- Taziaux, M., Staphorsius, A. S., Ghatei, M. A., Bloom, S. R., Swaab, D. F., & Bakker, J. (2016). Kisspeptin Expression in the Human Infundibular Nucleus in Relation to Sex, Gender Identity, and Sexual Orientation. *The Journal of Clinical Endocrinology & Metabolism*, *101*(6), 2380–2389. <https://doi.org/10.1210/jc.2015-4175>
- Ten Kulve, J. S., van Bloemendaal, L., Balesar, R., IJzerman, R. G., Swaab, D. F., Diamant, M., la Fleur, S. E., & Alkemade, A. (2015). Decreased hypothalamic glucagon-like peptide-1 receptor expression in type 2 diabetes patients. *The Journal of Clinical Endocrinology and Metabolism*, *jc20153291*. <https://doi.org/10.1210/jc.2015-3291>
- Teo, W., Caprariello, A. V., Morgan, M. L., Luchicchi, A., Schenk, G. J., Joseph, J. T., Geurts, J. J. G., & Stys, P. K. (2021). Nile Red fluorescence spectroscopy reports early physicochemical changes in myelin with high sensitivity. *Proceedings of the National Academy of Sciences*, *118*(8). <https://doi.org/10.1073/pnas.2016897118>
- Tesi, N., Hulsman, M., van der Lee, S. J., Jansen, I. E., Stringa, N., van Schoor, N. M., Scheltens, P., van der Flier, W. M., Huisman, M., Reinders, M. J. T., & Holstege, H. (2021). The effect of Alzheimer's disease-associated genetic variants on longevity. *medRxiv*, 2021.02.02.21250991. <https://doi.org/10.1101/2021.02.02.21250991>
- Tesi, N., Lee, S. van der, Hulsman, M., Jansen, I., Stringa, N., Schoor, N. van, Scheltens, P., Flier, W. van der, Huisman, M., Reinders, M., & Holstege, H. (2019). Immune response and endocytosis pathways are associated with the escape of Alzheimer's Disease. *medRxiv*, 19009464. <https://doi.org/10.1101/19009464>
- Tesi, N., Van Der Lee, S., Hulsman, M., Van Schoor, N. M., Huisman, M., Pijnenburg, Y., Van Der Flier, W. M., Reinders, M., & Holstege, H. (2023). *Cognitively Healthy Centenarians are genetically protected against Alzheimer's disease specifically in immune and endo-lysosomal systems* [Preprint]. *Epidemiology*. <https://doi.org/10.1101/2023.05.16.23290049>
- Tesi, N., van der Lee, S. J., Hulsman, M., Jansen, I. E., Stringa, N., van Schoor, N. M., Scheltens, P., van der Flier, W. M., Huisman, M., Reinders, M. J. T., & Holstege, H. (2020a). Immune response and endocytosis pathways are associated with the resilience against Alzheimer's disease. *Translational Psychiatry*, *10*. <https://doi.org/10.1038/s41398-020-01018-7>
- Tesi, N., van der Lee, S. J., Hulsman, M., Jansen, I. E., Stringa, N., van Schoor, N. M., Scheltens, P., van der Flier, W. M., Huisman, M., Reinders, M. J. T., & Holstege, H. (2020b). Polygenic Risk Score of Longevity Predicts Longer Survival Across an Age Continuum. *The Journals of Gerontology: Series A*, *glaa289*. <https://doi.org/10.1093/gerona/glaa289>
- Tesi, N., van der Lee, S. J., Hulsman, M., Jansen, I. E., Stringa, N., van Schoor, N. M., Scheltens, P., van der Flier, W. M., Huisman, M., Reinders, M. J. T., & Holstege, H. (2021). Polygenic Risk Score of

- Longevity Predicts Longer Survival Across an Age Continuum. *The Journals of Gerontology: Series A*, 76(5), 750–759. <https://doi.org/10.1093/gerona/glaa289>
- Teuber-Hanselmann, S., Worm, K., Macha, N., & Junker, A. (2021). MGMT-Methylation in Non-Neoplastic Diseases of the Central Nervous System. *International Journal of Molecular Sciences*, 22(8), 3845. <https://doi.org/10.3390/ijms22083845>
- Teunissen, C., Campo, M. D., Peeters, C., Meeter, L., Seelaar, H., Koel-Simmelink, M., Ramakers, I., Middelkoop, H., De Deyn, P., Claessen, J., Swieten, J. van, Bridel, C., Hoozemans, J., Flier, W. van der, Scheltens, P., Pijnenburg, Y., & Babapour-Mofrad, R. (2022). *Blood-based protein biomarkers in definite frontotemporal dementia: A case-control stud.* <https://doi.org/10.21203/rs.3.rs-1534214/v1>
- Thannickal, T. C., John, J., Shan, L., Swaab, D. F., Wu, M.-F., Ramanathan, L., McGregor, R., Chew, K.-T., Cornford, M., Yamanaka, A., Inutsuka, A., Fronczek, R., Lammers, G. J., Worley, P. F., & Siegel, J. M. (2018). Opiates increase the number of hypocretin-producing cells in human and mouse brain and reverse cataplexy in a mouse model of narcolepsy. *Science Translational Medicine*, 10(447), eaao4953. <https://doi.org/10.1126/scitranslmed.aao4953>
- Thathiah, A., Horre, K., Snellinx, A., Vandewyler, E., Huang, Y., Ciesielska, M., De Kloe, G., Munck, S., & De Strooper, B. (2013). [Beta]-arrestin 2 regulates A[beta] generation and [gamma]-secretase activity in Alzheimer's disease. *Nat Med*, 19(1), 43–49. <https://doi.org/10.1038/nm.3023>
- Thomas, M. G., Welch, C., Stone, L., Allan, P., & White, R. A. B. and R. B. (2016). PAX6 expression may be protective against dopaminergic cell loss in Parkinson's disease. *CNS & Neurological Disorders - Drug Targets*, 15(1), 73–79. <https://doi.org/10.2174/1871527314666150821101757>
- Tian, Y., Gao, G., & Dai, J. (2022). Severe tauopathy and axonopathy in the medulla oblongata in Alzheimer's disease implicate the changes in autonomic nervous function. *Journal of Chemical Neuroanatomy*, 123, 102105. <https://doi.org/10.1016/j.jchemneu.2022.102105>
- Tiane, A., Schepers, M., Reijnders, R. A., van Veggel, L., Chenine, S., Rombaut, B., Dempster, E., Verfaillie, C., Wasner, K., Grünwald, A., Prickaerts, J., Pishva, E., Hellings, N., van den Hove, D., & Vanmierlo, T. (2023). From methylation to myelination: Epigenomic and transcriptomic profiling of chronic inactive demyelinated multiple sclerosis lesions. *Acta Neuropathologica*, 146(2), 283–299. <https://doi.org/10.1007/s00401-023-02596-8>
- Tiane, A., Schepers, M., Riemens, R., Rombaut, B., Vandormael, P., Somers, V., Prickaerts, J., Hellings, N., van den Hove, D., & Vanmierlo, T. (2021). DNA methylation regulates the expression of the negative transcriptional regulators ID2 and ID4 during OPC differentiation. *Cellular and Molecular Life Sciences*, 78(19), 6631–6644. <https://doi.org/10.1007/s00018-021-03927-2>
- Tkachev, A., Stepanova, V., Zhang, L., Khrameeva, E., Zubkov, D., Giavalisco, P., & Khaitovich, P. (2019). Differences in lipidome and metabolome organization of prefrontal cortex among human populations. *Scientific Reports*, 9(1), 1–10. <https://doi.org/10.1038/s41598-019-53762-6>
- Toker, L., Nido, G. S., & Tzoulis, C. (2023). Not every estimate counts – evaluation of cell composition estimation approaches in brain bulk tissue data. *Genome Medicine*, 15(1), 41. <https://doi.org/10.1186/s13073-023-01195-2>
- Toker, L., Tran, G. T., Sundaresan, J., Tysnes, O.-B., Alves, G., Haugarvoll, K., Nido, G. S., Dölle, C., & Tzoulis, C. (2019). Dysregulation of histone acetylation and decoupling from transcription in Parkinson's disease. *bioRxiv*, 785550. <https://doi.org/10.1101/785550>

- Toker, L., Tran, G. T., Sundaresan, J., Tysnes, O.-B., Alves, G., Haugarvoll, K., Nido, G. S., Dölle, C., & Tzoulis, C. (2021). Genome-wide histone acetylation analysis reveals altered transcriptional regulation in the Parkinson's disease brain. *Molecular Neurodegeneration*, *16*(1), 31. <https://doi.org/10.1186/s13024-021-00450-7>
- Tong, Z., Han, C., Qiang, M., Wang, W., Lv, J., Zhang, S., Luo, W., Li, H., Luo, H., Zhou, J., Wu, B., Su, T., Yang, X., Wang, X., Liu, Y., & He, R. (2015). Age-related formaldehyde interferes with DNA methyltransferase function, causing memory loss in Alzheimer's disease. *Neurobiology of Aging*, *36*(1), 100–110. <https://doi.org/10.1016/j.neurobiolaging.2014.07.018>
- Tong, Z., Wang, W., Luo, W., Lv, J., Li, H., Luo, H., Jia, J., & He, R. (2016). Urine Formaldehyde Predicts Cognitive Impairment in Post-Stroke Dementia and Alzheimer's Disease. *Journal of Alzheimer's Disease*, *55*(3), 1031–1038. <https://doi.org/10.3233/JAD-160357>
- Toomey, C. E., Heywood, W. E., Evans, J. R., Lachica, J., Pressey, S. N., Foti, S. C., Al Shahrani, M., D'Sa, K., Hargreaves, I. P., Heales, S., Orford, M., Troakes, C., Attems, J., Gelpi, E., Palkovits, M., Lashley, T., Gentleman, S. M., Revesz, T., Mills, K., & Gandhi, S. (2022). Mitochondrial dysfunction is a key pathological driver of early stage Parkinson's. *Acta Neuropathologica Communications*, *10*(1), 134. <https://doi.org/10.1186/s40478-022-01424-6>
- Torres-Platas, S. G., Comeau, S., Rachalski, A., Dal Bo, G., Cruceanu, C., Turecki, G., Giros, B., & Mechawar, N. (2014). Morphometric characterization of microglial phenotypes in human cerebral cortex. *J Neuroinflamm*, *11*. <https://doi.org/10.1186/1742-2094-11-12>
- Tran, D. N., Bakx, A. T. C. M., van Dis, V., Aronica, E., Verdijk, R. M., & Ouwendijk, W. J. D. (2021). No evidence of aberrant amyloid β and phosphorylated tau expression in herpes simplex virus-infected neurons of the trigeminal ganglia and brain. *Brain Pathology*, *n/a*(*n/a*), e13044. <https://doi.org/10.1111/bpa.13044>
- Tran, D. N., Bakx, A. T. C. M., van Dis, V., Aronica, E., Verdijk, R. M., & Ouwendijk, W. J. D. (2022). No evidence of aberrant amyloid β and phosphorylated tau expression in herpes simplex virus-infected neurons of the trigeminal ganglia and brain. *Brain Pathology*, *32*(4), e13044. <https://doi.org/10.1111/bpa.13044>
- Tran, H. T., Tsai, E. H. R., Lewis, A. J., Moors, T., Bol, J. G. J. M., Rostami, I., Diaz, A., Jonker, A. J., Guizar-Sicairos, M., Raabe, J., Stahlberg, H., van de Berg, W. D. J., Holler, M., & Shahmoradian, S. H. (2020). Alterations in Sub-Axonal Architecture Between Normal Aging and Parkinson's Diseased Human Brains Using Label-Free Cryogenic X-ray Nanotomography. *Frontiers in Neuroscience*, *14*. <https://doi.org/10.3389/fnins.2020.570019>
- Tranchevent, L.-C., Halder, R., & Glaab, E. (2023). Systems level analysis of sex-dependent gene expression changes in Parkinson's disease. *Npj Parkinson's Disease*, *9*(1), Article 1. <https://doi.org/10.1038/s41531-023-00446-8>
- Trépanier, M.-O., Hildebrand, K. D., Nyamoya, S. D., Amor, S., Bazinet, R. P., & Kipp, M. (2018). Phosphatidylcholine 36:1 concentration decreases along with demyelination in the cuprizone animal model and in post-mortem multiple sclerosis brain tissue. *Journal of Neurochemistry*, *145*(6), 504–515. <https://doi.org/10.1111/jnc.14335>
- Tresse, E., Marturia-Navarro, J., Sew, W. Q. G., Cisquella-Serra, M., Jaber, E., Riera-Ponsati, L., Fauerby, N., Hu, E., Kretz, O., Aznar, S., & Issazadeh-Navikas, S. (2023). Mitochondrial DNA

- damage triggers spread of Parkinson's disease-like pathology. *Molecular Psychiatry*, 1–13. <https://doi.org/10.1038/s41380-023-02251-4>
- Tsamis, K. I., Mytilinaios, D. G., Njau, S. N., & Baloyannis, S. J. (2013). Glutamate Receptors in Human Caudate Nucleus in Normal Aging and Alzheimers Disease. *Current Alzheimer Research*, 10(5), 469–475.
- Tunold, J.-A., Geut, H., Rozemuller, J. M. A., Henriksen, S. P., Toft, M., van de Berg, W. D. J., & Pihlstrøm, L. (2021). APOE and MAPT Are Associated With Dementia in Neuropathologically Confirmed Parkinson's Disease. *Frontiers in Neurology*, 12, 52. <https://doi.org/10.3389/fneur.2021.631145>
- Tunold, J.-A., Tan, M. M. X., Koga, S., Geut, H., Rozemuller, A. J. M., Valentino, R., Sekiya, H., Martin, N. B., Heckman, M. G., Bras, J., Guerreiro, R., Dickson, D. W., Toft, M., van de Berg, W. D. J., Ross, O. A., & Pihlstrøm, L. (2023). Lysosomal polygenic risk is associated with the severity of neuropathology in Lewy body disease. *Brain*, 146(10), 4077–4087. <https://doi.org/10.1093/brain/awad183>
- Tunold, J.-A., Tan, M. M. X., Toft, M., Ross, O., van de Berg, W. D. J., & Pihlstrøm, L. (n.d.). Lysosomal Polygenic Burden Drives Cognitive Decline in Parkinson's Disease with Low Alzheimer Risk. *Movement Disorders*, n/a(n/a). <https://doi.org/10.1002/mds.29698>
- Ulku, I., Liebsch, F., Akerman, S. C., Schulz, J. F., Kulic, L., Hock, C., Pietrzik, C., Di Spiezio, A., Thinakaran, G., Saftig, P., & Multhaup, G. (2023). Mechanisms of amyloid-β34 generation indicate a pivotal role for BACE1 in amyloid homeostasis. *Scientific Reports*, 13(1), Article 1. <https://doi.org/10.1038/s41598-023-28846-z>
- Ulugut, H., Dijkstra, A. A., Scarioni, M., Barkhof, F., Scheltens, P., Rozemuller, A. J. M., Pijnenburg, Y. A. L., & Netherlands Brain Bank. (2021). Right temporal variant frontotemporal dementia is pathologically heterogeneous: A case-series and a systematic review. *Acta Neuropathologica Communications*, 9(1), 131. <https://doi.org/10.1186/s40478-021-01229-z>
- Ummenthum, K., Peferoen, L. A. N., Finardi, A., Baker, D., Pryce, G., Mantovani, A., Bsibsi, M., Bottazzi, B., Peferoen-Baert, R., van der Valk, P., Garlanda, C., Kipp, M., Furlan, R., van Noort, J. M., & Amor, S. (2015). Pentraxin-3 is upregulated in the central nervous system during MS and EAE, but does not modulate experimental neurological disease. *European Journal of Immunology*, n/a-n/a. <https://doi.org/10.1002/eji.201545950>
- Unger, P.-P. A., Oja, A. E., Khemai-Mehraban, T., Ouwendijk, W. J. D., Hombrink, P., & Verjans, G. M. G. M. (2022). T-cells in human trigeminal ganglia express canonical tissue-resident memory T-cell markers. *Journal of Neuroinflammation*, 19(1), 249. <https://doi.org/10.1186/s12974-022-02611-x>
- Vacondio, D., Nogueira Pinto, H., Coenen, L., Mulder, I. A., Fontijn, R., van het Hof, B., Fung, W. K., Jongejan, A., Kooij, G., Zelcer, N., Rozemuller, A. J., de Vries, H. E., & de Wit, N. M. (2023). Liver X receptor alpha ensures blood-brain barrier function by suppressing SNAI2. *Cell Death & Disease*, 14(11), Article 11. <https://doi.org/10.1038/s41419-023-06316-8>
- Vagena, E., Crneta, J., Engström, P., He, L., Yulyaningsih, E., Korpel, N. L., Cheang, R. T., Bachor, T. P., Huang, A., Michel, G., Attal, K., Berrios, D. I., Valdearcos, M., Koliwad, S. K., Olson, D. P., Yi, C.-X., & Xu, A. W. (2022). ASB4 modulates central melanocortinergic neurons and calcitonin signaling to control satiety and glucose homeostasis. *Science Signaling*, 15(733), eabj8204. <https://doi.org/10.1126/scisignal.abj8204>

- Vaikath, N. N., Majbour, N. K., Paleologou, K. E., Ardah, M. T., van Dam, E., van de Berg, W. D. J., Forrest, S. L., Parkkinen, L., Gai, W.-P., Hattori, N., Takanashi, M., Lee, S.-J., Mann, D. M. A., Imai, Y., Halliday, G. M., Li, J.-Yi., & El-Agnaf, O. M. A. (2015). Generation and characterization of novel conformation-specific monoclonal antibodies for α -synuclein pathology. *Neurobiology of Disease*, *79*, 81–99. <https://doi.org/10.1016/j.nbd.2015.04.009>
- Valencia, A., Bieber, V. L. R., Bajrami, B., Marsh, G., Hamann, S., Wei, R., Ling, K., Rigo, F., Arnold, H. M., Golonzhka, O., & Hering, H. (2021). Antisense Oligonucleotide-Mediated Reduction of HDAC6 Does Not Reduce Tau Pathology in P301S Tau Transgenic Mice. *Frontiers in Neurology*, *12*, 990. <https://doi.org/10.3389/fneur.2021.624051>
- Valentino, R. R., Scotton, W. J., Roemer, S. F., Lashley, T., Heckman, M. G., Shoai, M., Martinez-Carrasco, A., Tamvaka, N., Walton, R. L., Baker, M. C., Macpherson, H. L., Real, R., Soto-Beasley, A. I., Mok, K., Revesz, T., Warner, T. T., Jaunmuktane, Z., Boeve, B. F., Christopher, E. A., ... Ross, O. A. (n.d.). Creating the Pick's disease International Consortium: Association study of MAPT H2 haplotype with risk of Pick's disease. *medRxiv*. <https://doi.org/10.1101/2023.04.17.23288471>
- Van, A. E., Janssen, A. P. A., Cognetta, 3rd AB, Ogasawara, D., Shpak, G., Van, M. der K., Kantae, V., Baggelaar, M. P., De, F. V., Deng, H., Allarà, M., Fezza, F., Lin, Z., Van, T. der W., Soethoudt, M., Mock, E. D., Den, H. D., Baak, I. L., Florea, B. I., ... Van, M. der S. (2017). Activity-based protein profiling reveals off-target proteins of the FAAH inhibitor BIA 10-2474. *Science (New York, N.Y.)*, *356*(6342), 1084–1087. <https://doi.org/10.1126/science.aaf7497>
- van Ameijde, J., Crespo, R., Janson, R., Juraszek, J., Siregar, B., Verveen, H., Sprengers, I., Nahar, T., Hoozemans, J. J., Steinbacher, S., Willems, R., Delbroek, L., Borgers, M., Dockx, K., Van Kolen, K., Mercken, M., Pascual, G., Koudstaal, W., & Apetri, A. (2018). Enhancement of therapeutic potential of a naturally occurring human antibody targeting a phosphorylated Ser422 containing epitope on pathological tau. *Acta Neuropathologica Communications*, *6*(1), 59. <https://doi.org/10.1186/s40478-018-0562-9>
- van Bodegraven, E. J., Sluijs, J. A., Tan, A. K., Robe, P. A. J. T., & Hol, E. M. (2021). New GFAP splice isoform (GFAP μ) differentially expressed in glioma translates into 21 kDa N-terminal GFAP protein. *The FASEB Journal*, *35*(3), e21389. <https://doi.org/10.1096/fj.202001767R>
- van de Kraats, C., Killestein, J., Popescu, V., Rijkers, E., Vrenken, H., Lütjohann, D., Barkhof, F., Polman, C., & Teunissen, C. (2014). Oxysterols and cholesterol precursors correlate to magnetic resonance imaging measures of neurodegeneration in multiple sclerosis. *Multiple Sclerosis Journal*, *20*(4), 412–417. <https://doi.org/10.1177/1352458513499421>
- van den Bos, H., Spierings, D. C. J., Taudt, A., Bakker, B., Porubský, D., Falconer, E., Novoa, C., Halsema, N., Kazemier, H. G., Hoekstra-Wakker, K., Guryev, V., den Dunnen, W. F. A., Fojier, F., Colomé-Tatché, M., Boddeke, H. W. G. M., & Lansdorp, P. M. (2016). Single-cell whole genome sequencing reveals no evidence for common aneuploidy in normal and Alzheimer's disease neurons. *Genome Biology*, *17*(1), 116. <https://doi.org/10.1186/s13059-016-0976-2>
- van den Bosch, A. M. R., Hümmert, S., Steyer, A., Ruhwedel, T., Hamann, J., Smolders, J., Nave, K.-A., Stadelmann, C., Kole, M. H. P., Möbius, W., & Huitinga, I. (n.d.). Ultrastructural Axon–Myelin Unit Alterations in Multiple Sclerosis Correlate with Inflammation. *Annals of Neurology*, *n/a*(n/a). <https://doi.org/10.1002/ana.26585>
- van den Bosch, A. M. R., Hümmert, S., Steyer, A., Ruhwedel, T., Hamann, J., Smolders, J., Nave, K.-A., Stadelmann, C., Kole, M. H. P., Möbius, W., & Huitinga, I. (2022). Ultrastructural axon-myelin unit

- alterations in MS correlate with inflammation. *Annals of Neurology*.
<https://doi.org/10.1002/ana.26585>
- van den Bosch, A. M. R., Hümmert, S., Steyer, A., Ruhwedel, T., Hamann, J., Smolders, J., Nave, K.-A., Stadelmann, C., Kole, M. H. P., Möbius, W., & Huitinga, I. (2023). Ultrastructural Axon–Myelin Unit Alterations in Multiple Sclerosis Correlate with Inflammation. *Annals of Neurology*, *93*(4), 856–870. <https://doi.org/10.1002/ana.26585>
- van der Flier, W. M., Pijnenburg, Y. A. L., Prins, N., Lemstra, A. W., Bouwman, F. H., Teunissen, C. E., van Berckel, B. N. M., Stam, C. J., Barkhof, F., Visser, P. J., van Egmond, E., & Scheltens, P. (2014). Optimizing patient care and research: The Amsterdam Dementia Cohort. *Journal of Alzheimer's Disease : JAD*, *41*(1), 313–327. <https://doi.org/10.3233/JAD-132306>
- van der Harg, J. M., Eggels, L., Bangel, F. N., Ruigrok, S. R., Zwart, R., Hoozemans, J. J. M., la Fleur, S. E., & Scheper, W. (2017). Insulin deficiency results in reversible protein kinase A activation and tau phosphorylation. *Neurobiology of Disease*, *103*, 163–173.
<https://doi.org/10.1016/j.nbd.2017.04.005>
- van der Lee, S. J., Conway, O. J., Jansen, I., Carrasquillo, M. M., Kleineidam, L., van den Akker, E., Hernández, I., van Eijk, K. R., Stringa, N., Chen, J. A., Zettergren, A., Andlauer, T. F. M., Diez-Fairen, M., Simon-Sanchez, J., Lleó, A., Zetterberg, H., Nygaard, M., Blauwendraat, C., Savage, J. E., ... The GIFT (Genetic Investigation in Frontotemporal Dementia and Alzheimer's Disease) Study Group. (2019). A nonsynonymous mutation in PLCG2 reduces the risk of Alzheimer's disease, dementia with Lewy bodies and frontotemporal dementia, and increases the likelihood of longevity. *Acta Neuropathologica*, *138*(2), 237–250. <https://doi.org/10.1007/s00401-019-02026-8>
- van der Lee, S. J., van Steenoven, I., van de Beek, M., Tesi, N., Jansen, I. E., van Schoor, N. M., Reinders, M. J. T., Huisman, M., Scheltens, P., Teunissen, C. E., Holstege, H., van der Flier, W. M., & Lemstra, A. W. (2021). Genetics Contributes to Concomitant Pathology and Clinical Presentation in Dementia with Lewy Bodies. *Journal of Alzheimer's Disease*, *83*(1), 269–279.
<https://doi.org/10.3233/JAD-210365>
- van der Meer, T. P., Artacho-Cordón, F., Swaab, D. F., Struik, D., Makris, K. C., Wolffenbuttel, B. H. R., Frederiksen, H., van Vliet-Ostaptchouk, J. V., van der Meer, T. P., Artacho-Cordón, F., Swaab, D. F., Struik, D., Makris, K. C., Wolffenbuttel, B. H. R., Frederiksen, H., & van Vliet-Ostaptchouk, J. V. (2017). Distribution of Non-Persistent Endocrine Disruptors in Two Different Regions of the Human Brain. *International Journal of Environmental Research and Public Health*, *14*(9), 1059.
<https://doi.org/10.3390/ijerph14091059>
- van der Poel, M., Ulas, T., Mizze, M. R., Hsiao, C.-C., Miedema, S. S. M., Adelia, Schuurman, K. G., Helder, B., Tas, S. W., Schultze, J. L., Hamann, J., & Huitinga, I. (2019). Transcriptional profiling of human microglia reveals grey–white matter heterogeneity and multiple sclerosis-associated changes. *Nature Communications*, *10*(1), 1–13. <https://doi.org/10.1038/s41467-019-08976-7>
- van der Weerd, L., Lefering, A., Webb, A., Egli, R., & Bossoni, L. (2020). Effects of Alzheimer's disease and formalin fixation on the different mineralised-iron forms in the human brain. *Scientific Reports*, *10*(1), Article 1. <https://doi.org/10.1038/s41598-020-73324-5>
- van Engelen, M.-P. E., Rozemuller, A. J. M., Ulugut Erkoyun, H., Groot, C., Fieldhouse, J. L. P., Koene, T., Ossenkoppele, R., Gossink, F. T., Krudop, W. A., Vijverberg, E. G. B., Dols, A., Barkhof, F., Berckel, B. N. M. V., Scheltens, P., Brain Bank, N., & Pijnenburg, Y. A. L. (2021). The bvFTD

- phenocopy syndrome: A case study supported by repeated MRI, [18F]FDG-PET and pathological assessment. *Neurocase*, 27(2), 181–189. <https://doi.org/10.1080/13554794.2021.1905855>
- van Gent, M., Ouwendijk, W. J. D., Campbell, V. L., Laing, K. J., Verjans, G. M. G. M., & Koelle, D. M. (2023). Varicella-zoster virus proteome-wide T-cell screening demonstrates low prevalence of virus-specific CD8 T-cells in latently infected human trigeminal ganglia. *Journal of Neuroinflammation*, 20(1), 141. <https://doi.org/10.1186/s12974-023-02820-y>
- van Ginneken, V. (2019). Multiple “Genetic Bottleneck Theory” of Humans and the House Mouse via Chilling Enzyme $\Delta 12$ -Desaturase. *Gastroenterology & Hepatology International Journal*, 4(2). <https://doi.org/10.23880/ghij-16000156>
- Van Heesbeen, H. J., Von Oerthel, L., De Vries, P. M., Wagemans, C. M. R. J., & Smidt, M. P. (2023). Neuronal Dot1l Activity Acts as a Mitochondrial Gene-Repressor Associated with Human Brain Aging via H3K79 Hypermethylation. *International Journal of Molecular Sciences*, 24(2), Article 2. <https://doi.org/10.3390/ijms24021387>
- Van Heesbeen, H. J., Von Oerthel, L., De Vries, P. M., Wagemans, M. R. J., & Smidt, M. P. (2021). Neuronal Dot1l is a broad mitochondrial gene-repressor associated with human brain aging via H3K79 hypermethylation. *bioRxiv*, 2021.10.11.463907. <https://doi.org/10.1101/2021.10.11.463907>
- van Horsen, J., van der Pol, S., Nijland, P., Amor, S., & Perron, H. (2016). Human endogenous retrovirus W in brain lesions: Rationale for targeted therapy in multiple sclerosis. *Multiple Sclerosis and Related Disorders*, 8(Supplement C), 11–18. <https://doi.org/10.1016/j.msard.2016.04.006>
- van Langelaar, J., van der Vuurst de Vries, R. M., Janssen, M., Wierenga-Wolf, A. F., Spilt, I. M., Siepman, T. A., Dankers, W., Verjans, G. M. G. M., de Vries, H. E., Lubberts, E., Hintzen, R. Q., & van Luijn, M. M. (2018). T helper 17.1 cells associate with multiple sclerosis disease activity: Perspectives for early intervention. *Brain*, 141(5), 1334–1349. <https://doi.org/10.1093/brain/awy069>
- van Luijn, M. M., Kreft, K. L., Jongasma, M. L., Mes, S. W., Wierenga-Wolf, A. F., van Meurs, M., Melief, M.-J., van der Kant, R., Janssen, L., & Janssen, H. (2015). Multiple sclerosis-associated CLEC16A controls HLA class II expression via late endosome biogenesis. *Brain*, awv080.
- van Luijn, M. M., van Meurs, M., Stoop, M. P., Verbraak, E., Wierenga-Wolf, A. F., Melief, M.-J., Kreft, K. L., Verdijk, R. M., 't Hart, B. A., Luider, T. M., Laman, J. D., & Hintzen, R. Q. (2015). Elevated Expression of the Cerebrospinal Fluid Disease Markers Chromogranin A and Clusterin in Astrocytes of Multiple Sclerosis White Matter Lesions. *Journal of Neuropathology & Experimental Neurology*. <https://doi.org/10.1093/jnen/nlv004>
- van Mierlo, H. C., Wichers, C. G. K., He, Y., Sneboer, M. A. M., Radstake, T. R. D. J., Kahn, R. S., Broen, J. C. A., & de Witte, L. D. (2017). Telomere quantification in frontal and temporal brain tissue of patients with schizophrenia. *Journal of Psychiatric Research*, 95, 231–234. <https://doi.org/10.1016/j.jpsychires.2017.09.006>
- van Riel, D., Leijten, L. M., Verdijk, R. M., GeurtsvanKessel, C., van der Vries, E., van Rossum, A. M. C., Osterhaus, A. D. M. E., & Kuiken, T. (2014). Evidence for Influenza Virus CNS Invasion Along the Olfactory Route in an Immunocompromised Infant. *Journal of Infectious Diseases*, 210(3), 419–423. <https://doi.org/10.1093/infdis/jiu097>

- van Rooij, J. G. J., Meeter, L. H. H., Melhem, S., Nijholt, D. A. T., Wong, T. H., Rozemuller, A., Uitterlinden, A. G., van Meurs, J. G., & van Swieten, J. C. (2019). Hippocampal transcriptome profiling combined with protein-protein interaction analysis elucidates Alzheimer's disease pathways and genes. *Neurobiology of Aging*, *74*, 225–233. <https://doi.org/10.1016/j.neurobiolaging.2018.10.023>
- Van San, E., Debruyne, A. C., Veeckmans, G., Tyurina, Y. Y., Tyurin, V. A., Zheng, H., Choi, S. M., Augustyns, K., van Loo, G., Michalke, B., Venkataramani, V., Toyokuni, S., Bayir, H., Vandenabeele, P., Hassannia, B., & Vanden Berghe, T. (2023). Ferroptosis contributes to multiple sclerosis and its pharmacological targeting suppresses experimental disease progression. *Cell Death & Differentiation*, *30*(9), Article 9. <https://doi.org/10.1038/s41418-023-01195-0>
- van Strien, M. E., de Vries, H. E., Chrobok, N. L., Bol, J. G. J. M., Breve, J. J. P., van der Pol, S. M. P., Kooij, G., van Buul, J. D., Karpuj, M., Steinman, L., Wilhelmus, M. M., Sestito, C., Drukarch, B., & Van Dam, A.-M. (2015). Tissue Transglutaminase contributes to experimental multiple sclerosis pathogenesis and clinical outcome by promoting macrophage migration. *Brain, Behavior, and Immunity*, *50*, 141–154. <https://doi.org/10.1016/j.bbi.2015.06.023>
- van Strien, M. E., Sluijs, J. A., Reynolds, B. A., Steindler, D. A., Aronica, E., & Hol, E. M. (2014). Isolation of neural progenitor cells from the human adult subventricular zone based on expression of the cell surface marker CD271. *Stem Cells Translational Medicine*, *3*(4), 470.
- van Velzen, M., Jing, L., Osterhaus, A. D., Sette, A., Koelle, D. M., & Verjans, G. M. (2013). Local CD4 and CD8 T-cell reactivity to HSV-1 antigens documents broad viral protein expression and immune competence in latently infected human trigeminal ganglia. *PLoS Pathog*, *9*(8), e1003547.
- van Wageningen, T. A., Gerrits, E., Brouwer, N., Brevé, J. J. P., Geurts, J. J. G., Eggen, B. J. L., Boddeke, H. W. G. M. (Erik), & van Dam, A.-M. (2022a). Distinct gene expression in demyelinated white and grey matter areas of patients with multiple sclerosis. *Brain Communications*, *4*(2), fcac005. <https://doi.org/10.1093/braincomms/fcac005>
- van Wageningen, T. A., Gerrits, E., Brouwer, N., Brevé, J. J. P., Geurts, J. J. G., Eggen, B. J. L., Boddeke, H. W. G. M. (Erik), & van Dam, A.-M. (2022b). Distinct gene expression in demyelinated white and grey matter areas of patients with multiple sclerosis. *Brain Communications*, *4*(2), fcac005. <https://doi.org/10.1093/braincomms/fcac005>
- van Wageningen, T. A., Vlaar, E., Kooij, G., Jongenelen, C. A. M., Geurts, J. J. G., & van Dam, A.-M. (2019). Regulation of microglial TMEM119 and P2RY12 immunoreactivity in multiple sclerosis white and grey matter lesions is dependent on their inflammatory environment. *Acta Neuropathologica Communications*, *7*(1), 206. <https://doi.org/10.1186/s40478-019-0850-z>
- van Wamelen, D. J., Ahmad, A. N., Anink, J. J., Roos, R. A., & Swaab, D. F. (2013). Neuropeptide alterations in the infundibular nucleus of Huntington's disease patients. *J. Neuroendocrinol.*, *25*(2), 198–205. <https://doi.org/10.1111/j.1365-2826.2012.02379.x>
- van Wamelen, D. J., Aziz, N. A., Anink, J. J., van Steenhoven, R., Angeloni, D., Fraschini, F., Jockers, R., Roos, R., & Swaab, D. F. (2013). Suprachiasmatic nucleus neuropeptide expression in patients with Huntington's Disease. *Sleep*, *36*(1), 117–125.
- Vangoor, V. R., Giuliani, G., de Wit, M., Venø, M. T., Puhakka, N., Gomes-Duarte, A., van Rijen, P. C., Gosselaar, P. H., van Eijsden, P., Kjemis, J., de Graan, P. N. E., & Pasterkamp, R. J. (2021). Compartment-specific total RNA profile of Hippocampal and Cortical cells from Mesial Temporal

- Lobe Epilepsy tissue. *medRxiv*, 2021.12.03.21266858.
<https://doi.org/10.1101/2021.12.03.21266858>
- Vangoor, V. R., Reschke, C. R., Senthilkumar, K., Haar, L. L. van de, Wit, M. de, Giuliani, G., Broekhoven, M. H., Morris, G., Engel, T., Brennan, G. P., Conroy, R. M., Rijen, P. C. van, Gosselaar, P. H., Schorge, S., Schaapveld, R. Q. J., Henshall, D. C., Graan, P. N. E. D., & Pasterkamp, R. J. (2019). Antagonizing Increased miR-135a Levels at the Chronic Stage of Experimental TLE Reduces Spontaneous Recurrent Seizures. *Journal of Neuroscience*, *39*(26), 5064–5079.
<https://doi.org/10.1523/JNEUROSCI.3014-18.2019>
- Vankriekelsvenne, E., Chrzanowski, U., Manzhula, K., Greiner, T., Wree, A., Hawlitschka, A., Llovera, G., Zhan, J., Joost, S., Schmitz, C., Ponsaerts, P., Amor, S., Nutma, E., Kipp, M., & Kaddatz, H. (2022). Transmembrane protein 119 is neither a specific nor a reliable marker for microglia. *Glia*, *70*(6), 1170–1190. <https://doi.org/10.1002/glia.24164>
- Vavoulis, D. V., Francescato, M., Heutink, P., & Gough, J. (2015). DGEclust: Differential expression analysis of clustered count data. *Genome Biology*, *16*(1), 39.
- Vázquez-Villoldo, N., Domercq, M., Martín, A., Llop, J., Gómez-Vallejo, V., & Matute, C. (2014). P2X4 receptors control the fate and survival of activated microglia. *Glia*, *62*(2), 171–184.
<https://doi.org/10.1002/glia.22596>
- Veldman, E. R., Jia, Z., Halldin, C., & Svedberg, M. M. (2016). Amyloid binding properties of curcumin analogues in Alzheimer's disease postmortem brain tissue. *Neuroscience Letters*, *630*, 183–188.
<https://doi.org/10.1016/j.neulet.2016.07.045>
- Vermeiren, C., Motte, P., Viot, D., Mairet-Coello, G., Courade, J.-P., Citron, M., Mercier, J., Hannestad, J., & Gillard, M. (2018). The tau positron-emission tomography tracer AV-1451 binds with similar affinities to tau fibrils and monoamine oxidases. *Movement Disorders*, *33*(2), 273–281.
<https://doi.org/10.1002/mds.27271>
- Vermunt, M. W., Reinink, P., Korving, J., de Bruijn, E., Creyghton, P. M., Basak, O., Geeven, G., Toonen, P. W., Lansu, N., Meunier, C., van Heesch, S., Clevers, H., de Laat, W., Cuppen, E., & Creyghton, M. P. (2014). Large-Scale Identification of Coregulated Enhancer Networks in the Adult Human Brain. *Cell Reports*, *9*(2), 767–779. <https://doi.org/10.1016/j.celrep.2014.09.023>
- Vermunt, M. W., Tan, S. C., Castelijn, B., Geeven, G., Reinink, P., de Bruijn, E., Kondova, I., Persengiev, S., Netherlands Brain Bank, Bontrop, R., Cuppen, E., de Laat, W., & Creyghton, M. P. (2016). Epigenomic annotation of gene regulatory alterations during evolution of the primate brain. *Nature Neuroscience*.
- Verwer, R. W., Sluiter, A. A., Balesar, R. A., Baaijen, J. C., Witt Hamer, P. C., Speijer, D., Li, Y., & Swaab, D. F. (2015). Injury response of resected human brain tissue in vitro. *Brain Pathology*, *25*(4), 454–468.
- Verwey, N. A., Hoozemans, J. J., Korth, C., van Royen, M. R., Prikulis, I., Wouters, D., Twaalfhoven, H. A., van Haastert, E. S., Schenk, D., & Scheltens, P. (2013). Immunohistochemical characterization of novel monoclonal antibodies against the N-terminus of amyloid β -peptide. *Amyloid*, *20*(3), 179–187.
- Vijayaraghavan, S., Karami, A., Aeinehband, S., Behbahani, H., Grandien, A., Nilsson, B., Ekdahl, K. N., Lindblom, R. P. F., Piehl, F., & Darreh-Shori, T. (2013). Regulated Extracellular Choline Acetyltransferase Activity—The Plausible Missing Link of the Distant Action of Acetylcholine in the

Cholinergic Anti-Inflammatory Pathway. *PLoS ONE*, 8(6), e65936.
<https://doi.org/10.1371/journal.pone.0065936>

- Voet, S., Guire, C. M., Hagemeyer, N., Martens, A., Schroeder, A., Wieghofer, P., Daems, C., Staszewski, O., Walle, L. V., Jordao, M. J. C., Sze, M., Vikkula, H.-K., Demeestere, D., Imschoot, G. V., Scott, C. L., Hoste, E., Gonçalves, A., Williams, M., Lippens, S., ... Loo, G. van. (2018). A20 critically controls microglia activation and inhibits inflammasome-dependent neuroinflammation. *Nature Communications*, 9(1), 1–15. <https://doi.org/10.1038/s41467-018-04376-5>
- Vogel, D., Vereyken, E., Glim, J. E., Heijnen, P., Moeton, M., van der Valk, P., Amor, S., Teunissen, C. E., van Horssen, J., & Dijkstra, C. D. (2013). Macrophages in inflammatory multiple sclerosis lesions have an intermediate activation status. *J Neuroinflammation*, 10(1), 35–35.
- Vogel, D. Y. S., Kooij, G., Heijnen, P. D. A. M., Breur, M., Peferoen, L. A. N., van der Valk, P., de Vries, H. E., Amor, S., & Dijkstra, C. D. (2015). GM-CSF promotes migration of human monocytes across the blood brain barrier. *European Journal of Immunology*, 45(6), 1808–1819.
<https://doi.org/10.1002/eji.201444960>
- Waehnert, M., Dinse, J., Weiss, M., Streicher, M., Waehnert, P., Geyer, S., Turner, R., & Bazin, P.-L. (2014). Anatomically motivated modeling of cortical laminae. *Neuroimage*, 93, 210–220.
- Wamelen, D. J. van, Aziz, N. A., Zhao, J., Balesar, R., Unmehopa, U., Roos, R. A. C., & Swaab, D. F. (2013). Decreased Hypothalamic Prohormone Convertase Expression in Huntington Disease Patients. *Journal of Neuropathology & Experimental Neurology*, 72(12), 1126–1134.
<https://doi.org/10.1097/NEN.000000000000010>
- Wang, C., Lu, J., Sha, X., Qiu, Y., Chen, H., & Yu, Z. (2023). TRPV1 regulates ApoE4-disrupted intracellular lipid homeostasis and decreases synaptic phagocytosis by microglia. *Experimental & Molecular Medicine*, 55(2), Article 2. <https://doi.org/10.1038/s12276-023-00935-z>
- Wang, C.-W., Nan, D.-D., Wang, X.-M., Ke, Z.-J., Chen, G.-J., & Zhou, J.-N. (2017). A peptide-based near-infrared fluorescence probe for dynamic monitoring senile plaques in Alzheimer's disease mouse model. *Science Bulletin*, 62(23), 1593–1601. <https://doi.org/10.1016/j.scib.2017.11.005>
- Wang, P., Gorter, R. P., Jonge, J. C. de, Nazmuddin, M., Zhao, C., Amor, S., Hoekstra, D., & Baron, W. (2018). MMP7 cleaves remyelination-impairing fibronectin aggregates and its expression is reduced in chronic multiple sclerosis lesions. *Glia*, 66(8), 1625–1643.
<https://doi.org/10.1002/glia.23328>
- Wang, Q., Van Heerikhuize, J., Aronica, E., Kawata, M., Seress, L., Joels, M., Swaab, D. F., & Lucassen, P. J. (2013). Glucocorticoid receptor protein expression in human hippocampus; stability with age. *Neurobiology of Aging*, 34(6), 1662–1673. <https://doi.org/10.1016/j.neurobiolaging.2012.11.019>
- Wang, Q., Verweij, E., Krugers, H., Joels, M., Swaab, D., & Lucassen, P. (2014). Distribution of the glucocorticoid receptor in the human amygdala; changes in mood disorder patients. *Brain Structure and Function*, 219(5), 1615–1626.
- Wang, Q., Zhou, Q., Zhang, S., Shao, W., Yin, Y., Li, Y., Hou, J., Zhang, X., Guo, Y., Wang, X., Gu, X., & Zhou, J. (2016). Elevated Hapln2 Expression Contributes to Protein Aggregation and Neurodegeneration in an Animal Model of Parkinson's Disease. *Frontiers in Aging Neuroscience*, 8. <https://doi.org/10.3389/fnagi.2016.00197>

- Watson-Scales, S., Kalmar, B., Lana-Elola, E., Gibbins, D., Russa, F. L., Wiseman, F., Williamson, M., Saccon, R., Slender, A., Olerinyova, A., Mahmood, R., Nye, E., Cater, H., Wells, S., Yu, Y. E., Bennett, D. L. H., Greensmith, L., Fisher, E. M. C., & Tybulewicz, V. L. J. (2018). Analysis of motor dysfunction in Down Syndrome reveals motor neuron degeneration. *PLOS Genetics*, *14*(5), e1007383. <https://doi.org/10.1371/journal.pgen.1007383>
- Wei, T., Yi, M., Gu, W., Hou, L., Lu, Q., Yu, Z., & Chen, H. (2017). The Potassium Channel KCa3.1 Represents a Valid Pharmacological Target for Astroglia-Induced Neuronal Impairment in a Mouse Model of Alzheimer's Disease. *Frontiers in Pharmacology*, *7*. <https://doi.org/10.3389/fphar.2016.00528>
- Wei, Y.-N., Hu, H.-Y., Xie, G.-C., Fu, N., Ning, Z.-B., Zeng, R., & Khaitovich, P. (2015). Transcript and protein expression decoupling reveals RNA binding proteins and miRNAs as potential modulators of human aging. *Genome Biol*, *16*(41.10), 1186.
- Weihofen, A., Liu, Y., Arndt, J. W., Huy, C., Quan, C., Smith, B. A., Baeriswyl, J.-L., Cavegn, N., Senn, L., Su, L., Marsh, G., Auluck, P. K., Montrasio, F., Nitsch, R. M., Hirst, W. D., Cedarbaum, J. M., Pepinsky, R. B., Grimm, J., & Weinreb, P. H. (2019). Development of an aggregate-selective, human-derived α -synuclein antibody B1B054 that ameliorates disease phenotypes in Parkinson's disease models. *Neurobiology of Disease*, *124*, 276–288. <https://doi.org/10.1016/j.nbd.2018.10.016>
- Wennström, M., Janelidze, S., Nilsson, K. P. R., Serrano, G. E., Beach, T. G., Dage, J. L., Hansson, O., & The Netherlands Brain Bank. (2022). Cellular localization of p-tau217 in brain and its association with p-tau217 plasma levels. *Acta Neuropathologica Communications*, *10*(1), 3. <https://doi.org/10.1186/s40478-021-01307-2>
- Werkman, I., Sikkema, A. H., Versluijs, J. B., Qin, J., de Boer, P., & Baron, W. (2020). TLR3 agonists induce fibronectin aggregation by activated astrocytes: A role of pro-inflammatory cytokines and fibronectin splice variants. *Scientific Reports*, *10*. <https://doi.org/10.1038/s41598-019-57069-4>
- Wetzels, S., Vanmierlo, T., Scheijen, J. L. J. M., van Horssen, J., Amor, S., Somers, V., Schalkwijk, C. G., Hendriks, J. J. A., & Wouters, K. (2019). Methylglyoxal-Derived Advanced Glycation Endproducts Accumulate in Multiple Sclerosis Lesions. *Frontiers in Immunology*, *10*. <https://doi.org/10.3389/fimmu.2019.00855>
- Wiersma, V. I., van Hecke, W., Scheper, W., van Osch, M. A. J., Hermsen, W. J. M., Rozemuller, A. J. M., & Hoozemans, J. J. M. (2016). Activation of the unfolded protein response and granulovacuolar degeneration are not common features of human prion pathology. *Acta Neuropathologica Communications*, *4*, 113. <https://doi.org/10.1186/s40478-016-0383-7>
- Wiersma, V. I., van Ziel, A. M., Vazquez-Sanchez, S., Nölle, A., Berenjano-Correa, E., Bonaterra-Pastra, A., Clavaguera, F., Tolnay, M., Musters, R. J. P., van Weering, J. R. T., Verhage, M., Hoozemans, J. J. M., & Scheper, W. (2019). Granulovacuolar degeneration bodies are neuron-selective lysosomal structures induced by intracellular tau pathology. *Acta Neuropathologica*, *138*(6), 943–970. <https://doi.org/10.1007/s00401-019-02046-4>
- Wijdeven, R. H., Luijn, M. M., Wierenga-Wolf, A. F., Akkermans, J. J., Elsen, P. J., Hintzen, R. Q., & Neefjes, J. (2018). Chemical and genetic control of IFN γ -induced MHCII expression. *EMBO Reports*, *19*(9). <https://doi.org/10.15252/embr.201745553>

- Wilhelmus, M. M. M., Bol, J. G. J. M., van Duinen, S. G., & Drukarch, B. (2013). Extracellular matrix modulator lysyl oxidase colocalizes with amyloid-beta pathology in Alzheimer's disease and hereditary cerebral hemorrhage with amyloidosis—Dutch type. *Experimental Gerontology*, *48*(2), 109–114. <https://doi.org/10.1016/j.exger.2012.12.007>
- Wilhelmus, M. M. M., Jongenelen, C. A., Bol, J. G. J. M., & Drukarch, B. (2020). Interaction between tissue transglutaminase and amyloid-beta: Protein-protein binding versus enzymatic crosslinking. *Analytical Biochemistry*, *592*, 113578. <https://doi.org/10.1016/j.ab.2020.113578>
- Willuweit, A., Humpert, S., Schöneck, M., Endepols, H., Burda, N., Gremer, L., Gering, I., Kutzsche, J., Shah, N. J., Langen, K.-J., Neumaier, B., Willbold, D., & Drzezga, A. (2023). Evaluation of the 18F-labeled analog of the therapeutic all-D-enantiomeric peptide RD2 for amyloid β imaging. *European Journal of Pharmaceutical Sciences*, *184*, 106421. <https://doi.org/10.1016/j.ejps.2023.106421>
- Wirths, O., Hillmann, A., Pradier, L., Hartig, W., & Bayer, T. A. (2013). Oligomeric pyroglutamate amyloid-beta is present in microglia and a subfraction of vessels in patients with Alzheimer's disease: Implications for immunotherapy. *Journal of Alzheimer's Disease : JAD*, *35*(4), 741–749. <https://doi.org/10.3233/JAD-121945>
- Wirths, O., Walter, S., Kraus, I., Klafki, H. W., Stazi, M., Oberstein, T. J., Ghiso, J., Wiltfang, J., Bayer, T. A., & Weggen, S. (2017). N-truncated A β 4–x peptides in sporadic Alzheimer's disease cases and transgenic Alzheimer mouse models. *Alzheimer's Research & Therapy*, *9*(1), 80. <https://doi.org/10.1186/s13195-017-0309-z>
- Wirz, K. T. S., Keitel, S., Swaab, D. F., Verhaagen, J., & Bossers, K. (2014). Early Molecular Changes in Alzheimer Disease: Can We Catch the Disease in its Presymptomatic Phase? *Journal of Alzheimer's Disease*, *38*(4), 719–740. <https://doi.org/10.3233/JAD-130920>
- Wolters, E. E., Papma, J. M., Verfaillie, S. C. J., Visser, D., Weltjens, E., Groot, C., van der Ende, E. L., Giannini, L. A. A., Tuncel, H., Timmers, T., Boellaard, R., Yaqub, M., van Assema, D. M. E., Kuijper, D. A., Segbers, M., Rozemuller, A. J. M., Barkhof, F., Windhorst, A. D., van der Flier, W. M., ... Seelaar, H. (2021). [18F]Flortaucipir PET Across Various MAPT Mutations in Presymptomatic and Symptomatic Carriers. *Neurology*, *97*(10), e1017–e1030. <https://doi.org/10.1212/WNL.0000000000012448>
- Wong, T. H., Chiu, W. Z., Breedveld, G. J., Li, K. W., Verkerk, A. J. M. H., Hondius, D., Hukema, R. K., Seelaar, H., Frick, P., Severijnen, L.-A., Lammers, G.-J., Lebbink, J. H. G., van Duinen, S. G., Kamphorst, W., Rozemuller, A. J., Netherlands Brain Bank, Bakker, B. E., The International Parkinsonism Genetics Network, Neumann, M., ... van Swieten, J. (2014). PRKAR1B mutation associated with a new neurodegenerative disorder with unique pathology. *Brain*, *137*(5), 1361–1373. <https://doi.org/10.1093/brain/awu067>
- Wong, T. H., Seelaar, H., Melhem, S., Rozemuller, A. J. M., & van Swieten, J. C. (2020). Genetic screening in early-onset Alzheimer's disease identified three novel presenilin mutations. *Neurobiology of Aging*, *86*, 201.e9–201.e14. <https://doi.org/10.1016/j.neurobiolaging.2019.01.015>
- Wong, T. H., van der Lee, S. J., van Rooij, J. G. J., Meeter, L. H. H., Frick, P., Melhem, S., Seelaar, H., Ikram, M. A., Rozemuller, A. J., Holstege, H., Hulsman, M., Uitterlinden, A., Neumann, M., Hoozemans, J. J. M., van Duijn, C. M., Rademakers, R., & van Swieten, J. C. (2019). EIF2AK3 variants in Dutch patients with Alzheimer's disease. *Neurobiology of Aging*, *73*, 229.e11–229.e18. <https://doi.org/10.1016/j.neurobiolaging.2018.08.016>

- Wu, J.-L., He, Y., Hrubý, R., Balesar, R., Qi, Y.-J., Guo, L., Ren, Z., Zhu, Q.-B., Huang, M.-L., Swaab, D. F., & Bao, A.-M. (2017). Aromatase changes in depression: A postmortem and animal experimental study. *Psychoneuroendocrinology*, *77*, 56–62. <https://doi.org/10.1016/j.psyneuen.2016.11.026>
- Wu, X., Balesar, R., Lu, J., Farajnia, S., Zhu, Q., Huang, M., Bao, A.-M., & Swaab, D. F. (2017). Increased glutamic acid decarboxylase expression in the hypothalamic suprachiasmatic nucleus in depression. *Brain Structure and Function*, *222*(9), 4079–4088. <https://doi.org/10.1007/s00429-017-1442-y>
- Wu, Y.-H., Ursinus, J., Zhou, J.-N., Scheer, F. A. J. L., Ai-Min, B., Jockers, R., van Heerikhuizen, J., & Swaab, D. F. (2013). Alterations of melatonin receptors MT1 and MT2 in the hypothalamic suprachiasmatic nucleus during depression. *Journal of Affective Disorders*, *148*(2–3), 357–367. <https://doi.org/10.1016/j.jad.2012.12.025>
- Xicoy, H., Brouwers, J. F., Wieringa, B., & Martens, G. J. M. (2020). Explorative Combined Lipid and Transcriptomic Profiling of Substantia Nigra and Putamen in Parkinson's Disease. *Cells*, *9*(9). <https://doi.org/10.3390/cells9091966>
- Xu, Y., Cao, K., Guo, B., Xiang, J., Dong, Y.-T., Qi, X.-L., Yu, W.-F., Xiao, Y., & Guan, Z.-Z. (2020). Lowered levels of nicotinic acetylcholine receptors and elevated apoptosis in the hippocampus of brains from patients with type 2 diabetes mellitus and db/db mice. *Aging (Albany NY)*, *12*(14), 14205–14218. <https://doi.org/10.18632/aging.103435>
- Yang, W., Xiao, L., Li, C., Liu, X., Liu, M., Shao, Q., Wang, D., Huang, A., & He, C. (2015). TIP30 inhibits oligodendrocyte precursor cell differentiation via cytoplasmic sequestration of Olig1. *Glia*, *63*(4), 684–698. <https://doi.org/10.1002/glia.22778>
- Yeung, M. S. Y., Djelloul, M., Steiner, E., Bernard, S., Salehpour, M., Possnert, G., Brundin, L., & Frisén, J. (2019). Dynamics of oligodendrocyte generation in multiple sclerosis. *Nature*, *566*(7745), 538–542. <https://doi.org/10.1038/s41586-018-0842-3>
- Yi, M., Dou, F., Lu, Q., Yu, Z., & Chen, H. (2016). Activation of the KCa3.1 channel contributes to traumatic scratch injury-induced reactive astrogliosis through the JNK/c-Jun signaling pathway. *Neuroscience Letters*, *624*, 62–71. <https://doi.org/10.1016/j.neulet.2016.05.004>
- Yi, M., Yu, P., Lu, Q., Geller, H. M., Yu, Z., & Chen, H. (2016). KCa3.1 constitutes a pharmacological target for astrogliosis associated with Alzheimer's disease. *Molecular and Cellular Neurosciences*, *76*, 21–32. <https://doi.org/10.1016/j.mcn.2016.08.008>
- Yin, Z., Raj, D., Saiepour, N., Van Dam, D., Brouwer, N., Holtman, I. R., Eggen, B. J. L., Möller, T., Tamm, J. A., Abdourahman, A., Hol, E. M., Kamphuis, W., Bayer, T. A., De Deyn, P. P., & Boddeke, E. (2017). Immune hyperreactivity of A β plaque-associated microglia in Alzheimer's disease. *Neurobiology of Aging*, *55*, 115–122. <https://doi.org/10.1016/j.neurobiolaging.2017.03.021>
- Yoo, I. D., Park, M. W., Cha, H. W., Yoon, S., Boonpraman, N., Yi, S. S., & Moon, J.-S. (2020). Elevated CLOCK and BMAL1 Contribute to the Impairment of Aerobic Glycolysis from Astrocytes in Alzheimer's Disease. *International Journal of Molecular Sciences*, *21*(21). <https://doi.org/10.3390/ijms21217862>
- Yoon, S., Choi, J., Cho, M., Yang, K., Ha, H., Chung, I., Cho, G., & Kim, D. (2013). α -Secretase cleaved amyloid precursor protein (APP) accumulates in cholinergic dystrophic neurites in normal, aged hippocampus. *Neuropathology and Applied Neurobiology*, *39*(7), 800–816.

- Yousuf, M. S., Samtleben, S., Lamothe, S. M., Friedman, T. N., Catuneanu, A., Thorburn, K., Desai, M., Tenorio, G., Schenk, G. J., Ballanyi, K., Kurata, H. T., Simmen, T., & Kerr, B. J. (2020). Endoplasmic reticulum stress in the dorsal root ganglia regulates large-conductance potassium channels and contributes to pain in a model of multiple sclerosis. *The FASEB Journal*, *34*(9), 12577–12598. <https://doi.org/10.1096/fj.202001163R>
- Yu, Q., He, Z., Zubkov, D., Huang, S., Kurochkin, I., Yang, X., Halene, T., Willmitzer, L., Giavalisco, P., Akbarian, S., & Khaitovich, P. (2018). Lipidome alterations in human prefrontal cortex during development, aging, and cognitive disorders. *Molecular Psychiatry*. <https://doi.org/10.1038/s41380-018-0200-8>
- Yu, Q., He, Z., Zubkov, D., Huang, S., Kurochkin, I., Yang, X., Halene, T., Willmitzer, L., Giavalisco, P., Akbarian, S., & Khaitovich, P. (2020). Lipidome alterations in human prefrontal cortex during development, aging, and cognitive disorders. *Molecular Psychiatry*, *25*(11), Article 11. <https://doi.org/10.1038/s41380-018-0200-8>
- Yu, X., Persillet, M., Zhang, L., Zhang, Y., Xiuping, S., Li, X., Ran, G., Breger, L. S., Dovero, S., Porras, G., Dehay, B., Bezard, E., & Qin, C. (2021). Evaluation of blood flow as a route for propagation in experimental synucleinopathy. *Neurobiology of Disease*, *150*, 105255. <https://doi.org/10.1016/j.nbd.2021.105255>
- Yu, Z., Fang, X., Liu, W., Sun, R., Zhou, J., Pu, Y., Zhao, M., Sun, D., Xiang, Z., Liu, P., Ding, Y., Cao, L., & He, C. (2022). Microglia Regulate Blood–Brain Barrier Integrity via MiR-126a-5p/MMP9 Axis during Inflammatory Demyelination. *Advanced Science*, *9*(24), 2105442. <https://doi.org/10.1002/advs.202105442>
- Yue, X., Zhang, Y., Xing, W., Chen, Y., Mu, C., Miao, Z., Ge, P., Li, T., He, R., & Tong, Z. (2017). A Sensitive and Rapid Method for Detecting Formaldehyde in Brain Tissues. *Analytical Cellular Pathology*, *2017*, 1–8. <https://doi.org/10.1155/2017/9043134>
- Yunyan Zhang, Laura Jonkman, Antoine Klausner, Frederik Barkhof, V Wee Yong, Luanne M Metz, & Jeroen JG Geurts. (2016). Multi-scale MRI spectrum detects differences in myelin integrity between MS lesion types. *Multiple Sclerosis Journal*, *22*(12), 1569–1577. <https://doi.org/10.1177/1352458515624771>
- Zampar, S., Klafki, H. W., Sritharen, K., Bayer, T. A., Wiltfang, J., Rostagno, A., Ghiso, J., Miles, L. A., & Wirths, O. (2020). N-terminal heterogeneity of parenchymal and vascular amyloid- β deposits in Alzheimer's disease. *Neuropathology and Applied Neurobiology*, *46*(7), 673–685. <https://doi.org/10.1111/nan.12637>
- Zellner, A., Müller, S. A., Lindner, B., Beaufort, N., Rozemuller, A. J. M., Arzberger, T., Gassen, N. C., Lichtenthaler, S. F., Kuster, B., Haffner, C., & Dichgans, M. (2022). Proteomic profiling in cerebral amyloid angiopathy reveals an overlap with CADASIL highlighting accumulation of HTRA1 and its substrates. *Acta Neuropathologica Communications*, *10*(1), 6. <https://doi.org/10.1186/s40478-021-01303-6>
- Zellner, A., Scharrer, E., Arzberger, T., Oka, C., Domenga-Denier, V., Joutel, A., Lichtenthaler, S. F., Müller, S. A., Dichgans, M., & Haffner, C. (2018). CADASIL brain vessels show a HTRA1 loss-of-function profile. *Acta Neuropathologica*, *136*(1), 111–125. <https://doi.org/10.1007/s00401-018-1853-8>

- Zhan, J., Fegg, F. N., Kaddatz, H., Rühling, S., Frenz, J., Denecke, B., Amor, S., Ponsaerts, P., Hochstrasser, T., & Kipp, M. (2021). Focal white matter lesions induce long-lasting axonal degeneration, neuroinflammation and behavioral deficits. *Neurobiology of Disease*, *155*, 105371. <https://doi.org/10.1016/j.nbd.2021.105371>
- Zhan, J., Gao, Y., Heinig, L., Beecken, M., Huo, Y., Zhang, W., Wang, P., Wei, T., Tian, R., Han, W., Yu, A. C. H., Kipp, M., & Kaddatz, H. (2023). Loss of the Novel Myelin Protein CMTM5 in Multiple Sclerosis Lesions and Its Involvement in Oligodendroglial Stress Responses. *Cells*, *12*(16), Article 16. <https://doi.org/10.3390/cells12162085>
- Zhang, H., Zhu, X., Pascual, G., Wadia, J. S., Keogh, E., Hoozemans, J. J., Siregar, B., Inganäs, H., Stoop, E. J. M., Goudsmit, J., Apetri, A., Koudstaal, W., & Wilson, I. A. (2018). Structural Basis for Recognition of a Unique Epitope by a Human Anti-tau Antibody. *Structure*, *26*(12), 1626-1634.e4. <https://doi.org/10.1016/j.str.2018.08.012>
- Zhang, K., Wang, A., Zhong, K., Qi, S., Wei, C., Shu, X., Tu, W.-Y., Xu, W., Xia, C., Xiao, Y., Chen, A., Bai, L., Zhang, J., Luo, B., Wang, W., & Shen, C. (2021). UBQLN2-HSP70 axis reduces poly-Gly-Ala aggregates and alleviates behavioral defects in the C9ORF72 animal model. *Neuron*, *109*(12), 1949-1962.e6. <https://doi.org/10.1016/j.neuron.2021.04.023>
- Zhang, L., Verwer, R. W. H., Heerikhuizen, J. van, Balesar, R., Correa-da-Silva, F., Slabe, Z., Lucassen, P. J., & Swaab, D. F. (2022). *Stress-associated purinergic receptors code for fatal suicidality in the hippocampal-hypothalamic-prefrontal circuit* (p. 2022.11.22.516142). bioRxiv. <https://doi.org/10.1101/2022.11.22.516142>
- Zhang, M., Ganz, A. B., Rohde, S., Lorenz, L., Rozemuller, A. J. M., van Vliet, K., Graat, M., Sikkes, S. A. M., Reinders, M. J. T., Scheltens, P., Hulsman, M., Hoozemans, J. J. M., & Holstege, H. (2023). The correlation between neuropathology levels and cognitive performance in centenarians. *Alzheimer's & Dementia*, *19*(11), 5036–5047. <https://doi.org/10.1002/alz.13087>
- Zhang, M., Ganz, A. B., Rohde, S., Rozemuller, A. J. M., Bank, N. B., Reinders, M. J. T., Scheltens, P., Hulsman, M., Hoozemans, J. J. M., & Holstege, H. (2022). Resilience and resistance to the accumulation of amyloid plaques and neurofibrillary tangles in centenarians: An age-continuous perspective. *Alzheimer's & Dementia*, *n/a*(n/a). <https://doi.org/10.1002/alz.12899>
- Zhang, M., Ganz, A. B., Rohde, S., Rozemuller, A. J. M., Bank, N. B., Reinders, M. J. T., Scheltens, P., Hulsman, M., Hoozemans, J. J. M., & Holstege, H. (2023). Resilience and resistance to the accumulation of amyloid plaques and neurofibrillary tangles in centenarians: An age-continuous perspective. *Alzheimer's & Dementia*, *19*(7), 2831–2841. <https://doi.org/10.1002/alz.12899>
- Zhang, S., Wang, Q., Yang, Q., Gu, H., Yin, Y., Li, Y., Hou, J., Chen, R., Sun, Q., Sun, Y., Hu, G., & Zhou, J. (2019). NG2 glia regulate brain innate immunity via TGF- β 2/TGFBR2 axis. *BMC Medicine*, *17*(1), 204. <https://doi.org/10.1186/s12916-019-1439-x>
- Zhang, X., O'Callaghan, P., Li, H., Tan, Y., Zhang, G., Barash, U., Wang, X., Lannfelt, L., Vlodysky, I., Lindahl, U., & Li, J.-P. (2021). Heparanase overexpression impedes perivascular clearance of amyloid- β from murine brain: Relevance to Alzheimer's disease. *Acta Neuropathologica Communications*, *9*(1), 84. <https://doi.org/10.1186/s40478-021-01182-x>
- Zhao, J., Qi, X.-R., Gao, S.-F., Lu, J., van Wamelen, D. J., Kamphuis, W., Bao, A.-M., & Swaab, D. F. (2015). Different stress-related gene expression in depression and suicide. *Journal of Psychiatric Research*, *68*, 176–185. <https://doi.org/10.1016/j.jpsychires.2015.06.010>

- Zhao, J., Verwer, R. W. H., Gao, S.-F., Qi, X.-R., Lucassen, P. J., Kessels, H. W., & Swaab, D. F. (2018). Prefrontal alterations in GABAergic and glutamatergic gene expression in relation to depression and suicide. *Journal of Psychiatric Research*, *102*, 261–274. <https://doi.org/10.1016/j.jpsychires.2018.04.020>
- Zhao, J., Verwer, R. W. H., van Wamelen, D. J., Qi, X.-R., Gao, S.-F., Lucassen, P. J., & Swaab, D. F. (2016). Prefrontal changes in the glutamate-glutamine cycle and neuronal/glial glutamate transporters in depression with and without suicide. *Journal of Psychiatric Research*, *82*, 8–15. <https://doi.org/10.1016/j.jpsychires.2016.06.017>
- Zhao, L., Mühleisen, T. W., Pelzer, D. I., Burger, B., Beins, E. C., Forstner, A. J., Herms, S., Hoffmann, P., Amunts, K., Palomero-Gallagher, N., & Cichon, S. (2023). Relationships between neurotransmitter receptor densities and expression levels of their corresponding genes in the human hippocampus. *NeuroImage*, *273*, 120095. <https://doi.org/10.1016/j.neuroimage.2023.120095>
- Zhao, Q., Shen, Y., Zhao, Y., Si, L., Jiang, S., & Qiu, Y. (2018). Val66Met Polymorphism in BDNF Has No Sexual and APOE ε4 Status-Based Dimorphic Effects on Susceptibility to Alzheimer's Disease: Evidence From an Updated Meta-Analysis of Case–Control Studies and High-Throughput Genotyping Cohorts. *American Journal of Alzheimer's Disease & Other Dementias*[®], *33*(1), 55–63. <https://doi.org/10.1177/1533317517733037>
- Zhao, T., Severijnen, L.-A., van der Weiden, M., Zheng, P. P., Oostra, B. A., Hukema, R. K., Willemsen, R., Kros, J. M., & Bonifati, V. (2013). FBX07 Immunoreactivity in α-Synuclein—Containing Inclusions in Parkinson Disease and Multiple System Atrophy. *Journal of Neuropathology & Experimental Neurology*, *72*(6), 482–488.
- Zhou, N., Fan, Z., Tong, Y., Xiao, X., Xie, Y., Qi, Z., & Chen, L. (2023). Increased number and domain of interlaminar astrocytes in layer I of the temporal cortex in epilepsy. *Neuropathology and Applied Neurobiology*, *49*(3), e12913. <https://doi.org/10.1111/nan.12913>
- Zhu, K., Wang, Y., Sarlus, H., Geng, K., Nutma, E., Sun, J., Kung, S.-Y., Bay, C., Han, J., Lund, H., Amor, S., Wang, J., Zhang, X., Kutter, C., Guerreiro Cacais, A. O., Högberg, B., & Harris, R. A. (2021). Nanoengineered DNA origami with repurposed TOP1 inhibitors targeting myeloid cells for the mitigation of neuroinflammation. *bioRxiv*, 2021.10.04.462880. <https://doi.org/10.1101/2021.10.04.462880>
- Zhu, K., Wang, Y., Sarlus, H., Geng, K., Nutma, E., Sun, J., Kung, S.-Y., Bay, C., Han, J., Min, J.-H., Benito-Cuesta, I., Lund, H., Amor, S., Wang, J., Zhang, X.-M., Kutter, C., Guerreiro-Cacais, A. O., Högberg, B., & Harris, R. A. (2022). Myeloid cell-specific topoisomerase 1 inhibition using DNA origami mitigates neuroinflammation. *EMBO Reports*, *23*(7), e54499. <https://doi.org/10.15252/embr.202154499>
- Zhu, Q.-B., Unmehopa, U., Bossers, K., Hu, Y.-T., Verwer, R., Balesar, R., Zhao, J., Bao, A.-M., & Swaab, D. (2016). MicroRNA-132 and early growth response-1 in nucleus basalis of Meynert during the course of Alzheimer's disease. *Brain*, *139*(3), 908–921. <https://doi.org/10.1093/brain/awv383>
- Zhu, S., Stanslowsky, N., Fernández-Trillo, J., Mamo, T. M., Yu, P., Kalmbach, N., Ritter, B., Eggenschwiler, R., Ouwendijk, W. J. D., Mzinza, D., Tan, L., Leffler, A., Spohn, M., Brown, R. J. P., Kropp, K. A., Kaefer, V., Ha, T.-C., Narayanan, P., Grundhoff, A., ... Viejo-Borbolla, A. (2021). Generation of hiPSC-derived low threshold mechanoreceptors containing axonal termini

- resembling bulbous sensory nerve endings and expressing Piezo1 and Piezo2. *Stem Cell Research*, 56, 102535. <https://doi.org/10.1016/j.scr.2021.102535>
- Zhuang, J. (2022). *Whole-transcriptomic profiling of human cerebral cortex tissues reveals microglia-associated molecular subtypes* (p. 2022.05.19.492569). bioRxiv. <https://doi.org/10.1101/2022.05.19.492569>
- Zilkova, M., Nolle, A., Kovacech, B., Kontsekova, E., Weisova, P., Filipcik, P., Skrabana, R., Prcina, M., Hromadka, T., Cehlar, O., Rolkova, G. P., Maderova, D., Novak, M., Zilka, N., & Hoozemans, J. J. M. (2020). Humanized tau antibodies promote tau uptake by human microglia without any increase of inflammation. *Acta Neuropathologica Communications*, 8. <https://doi.org/10.1186/s40478-020-00948-z>
- Zilocchi, M., Finzi, G., Lualdi, M., Sessa, F., Fasano, M., & Alberio, T. (2018). Mitochondrial alterations in Parkinson's disease human samples and cellular models. *Neurochemistry International*, 118, 61–72. <https://doi.org/10.1016/j.neuint.2018.04.013>
- Zola, N. K. N., Balty, C., Ruys, S. P. dit, Vanparys, A., Huyghe, N., Herinckx, G., Johanns, M., Boyer, E., Kienlen-Campard, P., Rider, M., Vertommen, D., & Hanseeuw, B. (2022). *Specific post-translational modifications of the soluble tau protein distinguish between Alzheimer's disease, 4R-, and 3R-tauopathie*. <https://doi.org/10.21203/rs.3.rs-2330008/v1>
- Zuo, M., Fettig, N., Bernier, L.-P., Pössnecker, E., Spring, S., Pu, A., Ma, X. I., Lee, D. S. W., Ward, L., Sharma, A., Kuhle, J., Sled, J. G., Pröbstel, A.-K., MacVicar, B., Osborne, L., Gommerman, J. L., & Ramaglia, V. (2021). Age-related susceptibility to grey matter demyelination and neurodegeneration is associated with meningeal neutrophil accumulation in an animal model of Multiple Sclerosis. *bioRxiv*, 2021.12.23.474008. <https://doi.org/10.1101/2021.12.23.474008>
- Zuo, M., Fettig, N. M., Bernier, L.-P., Pössnecker, E., Spring, S., Pu, A., Ma, X. I., Lee, D. S. W., Ward, L. A., Sharma, A., Kuhle, J., Sled, J. G., Pröbstel, A.-K., MacVicar, B. A., Osborne, L. C., Gommerman, J. L., & Ramaglia, V. (2022). Age-dependent gray matter demyelination is associated with leptomeningeal neutrophil accumulation. *JCI Insight*, 7(12). <https://doi.org/10.1172/jci.insight.158144>