

Publications in 2023 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.

- 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>
- 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>
- 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>
- 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>
- 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 (A β) 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. (2023). Psychiatric symptoms of frontotemporal dementia and subcortical (co-)pathology burden: New insights. *Brain*, *146*(1), 307–320. <https://doi.org/10.1093/brain/awac043>

All publications in 2023

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

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>

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>

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., Piguet, 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>

Balusu, S., Horré, K., Thrupp, N., Craessaerts, K., Snellinx, A., Serneels, L., T'Syen, D., Chrysidou, I., Arranz, A. M., Sierksma, A., Simrén, 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>

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>

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. 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>
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- 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>
- 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>
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- 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>
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