Publications in 2021 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.

1. 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

2. 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

3. 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

4. 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

5. 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

6. 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

NBB-Psy corporate authorships

1. 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
2. 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

All publications in 2021

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.

1. 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
2. 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
3. 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
4. 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

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7. 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

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11. 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 CI- and CIV-containing respiratory supercomplexes at single-cell resolution. *Cell Reports Methods*, *1*(1), 100002. https://doi.org/10.1016/j.crmeth.2021.100002

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