Publications 2013 - 2021

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., Glauben, 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.

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

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

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

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

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., Bank, N. B., & 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

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

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

Schottlaender, L. V., Houlden, H., & Multiple-System Atrophy (MSA) Brain Bank Collaboration. (2014). Mutant COQ2 in Multiple-System Atrophy. *New England Journal of Medicine*, *371*(1), 80–83. https://doi.org/10.1056/NEJMc1311763

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. *Aging 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., 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., Sneeboer, 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

Tiepolt, 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., Castelijns, 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*.

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

Full publication list

The following list contains publications from 2013 to 2021 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), 1344–1354. 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., Maglóczky, 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

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., 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

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

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

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

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

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 detectible significant alterations in gene expression, hippocampal stem cells or behavior. *Human Molecular Genetics*, *24*(5), 1305–1321. https://doi.org/10.1093/hmg/ddu541

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

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

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

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., 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

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

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 Aβ-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), 6055. 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 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

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

Beyer, N., Coulson, D. T. R., Quinn, J. G., Brockbank, S., Hellemans, 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

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 11β-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., Francescatto, 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

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 Aβ 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., 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

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

Borreca, 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

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., 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

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

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., Steinhauser, 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., 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

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, Horssen, 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 Aβ-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., Peferoen, L. A., Holtman, I. R., Nacken, P. J., Gerritsen, W. H., Witte, M. E., Van Horssen, 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 T 2 *- 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

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-1β 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/acel.13433

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 Spicing 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

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., Castelijns, 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.0000000000000080

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

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.0000000000000131

Chan, R. F., Turecki, G., Shabalin, 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., Shabalin, 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., Wolffenbuttel, 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., OConnor, 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, 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/acel.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 Initative, A. D. (2019). APOE Promoter Polymorphism-219T/G is an Effect Modifier of the Influence of APOE ε4 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

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

Clausson, 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.

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.

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

Darreh-Shori, T., Rezaeianyazdi, 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

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 (Aβ) and colocalizes with deposited Aβ 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 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 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., Mendelev, 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

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 Aβ 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 ClC-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

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., 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 Aβ 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

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.

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

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 α7 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., Irimia, 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

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

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

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 mum pixel resolution with thermal source FTIR FPA. *The Analyst*, *140*(7), 2493–2503. https://doi.org/10.1039/c4an01982b

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

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

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

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., & Roebroeck, 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 (Aβ)-induced inflammation. *Journal of Neuroinflammation*, *14*(1), 199. https://doi.org/10.1186/s12974-017-0972-9

Gabrusiewicz, 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 cardiovirus 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., 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

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

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

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 (≈ 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 Aβ in Down's syndrome and Alzheimer's disease brains. *Neuroscience Letters*, *754*, 135894. https://doi.org/10.1016/j.neulet.2021.135894

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 Docosahexaenoic 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

Grosser, C., Neumann, L., Horsthemke, B., Zeschnigk, 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

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., 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

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., 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 Aβ5-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., & Buttmann, 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

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., Rohrlich, 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., Vyhnalek, 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

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., Ruiter, 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

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-Vizuete, 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

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

Holstege, H., Beker, N., Dijkstra, T., Pieterse, K., Wemmenhove, E., Schouten, K., Thiessens, L., Horsten, D., Rechtuijt, 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*.

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., Horré, 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

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), 12634. 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

Hüttenrauch, 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

Ilarregui, J. M., Kooij, G., Rodríguez, E., van der Pol, S. M. A., Koning, N., Kalay, H., van der Horst, J. C., van Vliet, S. J., García-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 TADDI 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.

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 Aβ-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 Aβ-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 Horssen, 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

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

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., Inglese, 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., Inglese, 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., Inglese, M., & Geurts, J. J. G. (2016). The substrate of increased cortical FA in MS: A 7T post-mortem MRI and histopathology studyMultiple Sclerosis Journal - Laura E Jonkman, Roel Klaver, Lazar Fleysher, Matilde Inglese, 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

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

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., Horssen, 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 Horssen, 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 Horssen, 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., Kretzschmar, 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

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

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., 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

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., Kuijer, 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, 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, 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 Aβ34 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

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., Siepman, T. A., Verjans, G. M. G. M., Smolders, J., Lubberts, E., Vries, H. E. de, & Luijn, 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

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), 13136. 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

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., Manzéger, A., Tarnóci, A., Papp, D., Szikszai, F., Szinyákovics, J., Rácz, Á., Noszál, B., Veszelka, 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

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

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., Ankarcrona, M., Darreh-Shori, T., & Lithner, C. U. (2014). EPIGENETIC MODIFICATIONS IN ALZHEIMER'S DISEASE: EFFECTS OF BETA-AMYLOID EXPOSURE. *Alzheimer's Association International Conference 2014Alzheimer'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 Aβ 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., Siepman, 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

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, 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

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: AβPP 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, 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 99mTc 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-κB and Inflammatory Chemotactic Factors in the Brains with Alzheimer’s Disease—One Mechanism May Involve α3 Nicotinic Acetylcholine Receptor* [Text]. https://www.ingentaconnect.com/contentone/ben/car/2016/00000013/00000011/art00010

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

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 (Aβ) 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

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.

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

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., 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

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

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

Macrez, R., Ortega, M. C., Bardou, I., Mehra, A., Fournier, A., Pol, V. der, A, S. M., Haelewyn, B., Maubert, E., Lesept, F., Chevilley, 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 AβPP 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 Horssen, 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., 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

Månberg, A., Skene, N., Sanders, F., Trusohamn, M., Remnestål, J., Szczepińska, A., Aksoylu, I. S., Lönnerberg, 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.

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

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., Sneeboer, 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

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., Gräßel, 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., Gräßel, 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

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

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

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

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., 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 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

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). 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., … Berg, W. D. J. van de. (2019b). 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., … 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., 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., Puigdellívol, 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., Puigdellívol, 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

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., Alatza, 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

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

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

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., Rogaeva, 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., Eisfeldt, 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., Piket, E., Min, J.-H., Edwards, W., Mela, F., Choi, H. Y., Magg, V., James, T., Linden, M., Reichardt, H. M., Daws, M. R., van Horssen, 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

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 α7 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

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, 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., Ansorge, 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., 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., Hajmousa, 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., Edelijn, 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., Sillevis 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., Mizee, M. R., van der Pol, S. M. A., van het Hof, B., Reijerkerk, 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

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

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

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

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.

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

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

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*, ddu726.

Pardo, L. M., Rizzu, P., Francescatto, 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., Kükrer, 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 PPARα 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

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., 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-1β 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

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

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

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

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

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

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

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 Mascaro, 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

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., Uesekes, 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., Ossenkoppele, 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., Verkkoniemi-Ahola, A., Bayer, T. A., & Wirths, O. (2014). Aβ38 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 Aβ species Aβ37 and Aβ39 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 α7 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., Kretzschmar, 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 Horssen, 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

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., Francescatto, 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

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., Schroten, 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 Horssen, 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

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 Aβ 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), 2187. 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

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

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 AREL1 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 PPARα 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

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

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

Schenk, G. J., Dijkstra, S., Hof, A. J., Pol, S., Drexhage, J. A., Valk, P., Reijerkerk, A., Horssen, J., & Vries, H. E. (2013). Roles for HB-EGF and CD9 in multiple sclerosis. *Glia*, *61*(11), 1890–1905.

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

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.

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

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/acschemneuro.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

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

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

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., 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., 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., 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

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

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., Bulsink, 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/acel.13115

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

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., 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

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

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

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, 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 α7 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, 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 Aβ accumulation via enhancement of ERK phosphatase VHR activity. *Scientific Reports*, *6*. https://doi.org/10.1038/srep38452

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

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.

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.nucmedbio.2016.12.004

Stepanova, V., Moczulska, K. E., Vacano, G. N., Kurochkin, I., Ju, X., Riesenberg, 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.

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

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

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., 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. 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

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., Vandewyer, 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

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., 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

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 Neuroinflam*, *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, 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

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

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

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

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

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 (GFAPμ) 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., Foijer, 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 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., Mizee, 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), 16440. https://doi.org/10.1038/s41598-020-73324-5

van Ginneken, V. (2019). Multiple "Genetic Bottleneck Theory" of Humans and the House Mouse via Chilling Enzyme Δ12-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, 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 Horssen, 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., Jongsma, 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., Sneeboer, 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 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., 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., Kjems, 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

Vavoulis, D. V., Francescatto, 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., Castelijns, 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., Guilliams, 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.0000000000000010

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 Astrogliosis-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 BIIB054 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

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., Berenjeno-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 IFNγ-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

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 Aβ4–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., Weltings, 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 Heerikhuize, 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 Aβ 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). A-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), 2952–2969. 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

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 Klauser, 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., 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

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, 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-β2/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., Vlodavsky, 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, 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). FBXO7 Immunoreactivity in α-Synuclein—Containing Inclusions in Parkinson Disease and Multiple System Atrophy. *Journal of Neuropathology & Experimental Neurology*, *72*(6), 482–488.

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, 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., Kaever, 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

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

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