

Publications in 2014 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 coauthorship.

- 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.
- Vermunt, M. W., Reinink, P., Korving, J., de Bruijn, E., Creyghton, P. M., Basak, O., ... 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>
- Wong, T. H., Chiu, W. Z., Breedveld, G. J., Li, K. W., Verkerk, A. J. M. H., Hondius, D., ... 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>

All publications in 2014

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

- Al-Izki, S., Pryce, G., Hankey, D. J. R., Lidster, K., von Kutzleben, S. M., Browne, L., ... 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>
- Andersson, R., Gebhard, C., Miguel-Escalada, I., Hoof, I., Bornholdt, J., Boyd, M., ... Sandelin, A. (2014). An atlas of active enhancers across human cell types and tissues. *Nature*, 507(7493), 455–461.
- 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>
- 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. <https://doi.org/10.3402/ejpt.v5.26521>
- Beecham, G. W., Hamilton, K., Naj, A. C., Martin, E. R., Huentelman, M., Myers, A. J., ... 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>
- Beyer, N., Coulson, D. T. R., Quinn, J. G., Brockbank, S., Hellemans, J., Irvine, G. B., ... 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>

- 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>
- Borgers, A. J., Koopman, K. E., Bisschop, P. H., Serlie, M. J., Swaab, D. F., Fliers, E., ... Alkemade, A. (2014). Decreased serotonin transporter immunoreactivity in the human hypothalamic infundibular nucleus of overweight subjects. *Frontiers in Neuroscience*, *8*, 106. <https://doi.org/10.3389/fnins.2014.00106>
- Bozek, K., Wei, Y., Yan, Z., Liu, X., Xiong, J., Sugimoto, M., ... 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>
- Brinkmalm, A., Brinkmalm, G., Honer, W. G., Frolich, L., Hausner, L., Minthon, L., ... 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., ... 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>
- 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.
- Bsibsi, M., Peferoen, L. A., Holtman, I. R., Nacken, P. J., Gerritsen, W. H., Witte, M. E., ... 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.
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- Carrano, A., Snkhchyan, H., Kooij, G., van der Pol, S., van Horsen, J., Veerhuis, R., ... 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.
- Cho, M.-H., Cho, K., Kang, H.-J., Jeon, E.-Y., Kim, H.-S., Kwon, H.-J., ... Yoon, S.-Y. (2014). Autophagy in microglia degrades extracellular β -amyloid fibrils and regulates the NLRP3 inflammasome. *Autophagy*, *10*(10), 1761–1775.
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- de Bock, L., Somers, K., Fraussen, J., Hendriks, J. J., van Horsen, J., Rouwette, M., ... 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.

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- Del Campo, M., Hoozemans, J. J., Dekkers, L.-L., Rozemuller, A. J., Korth, C., Müller-Schiffmann, A., ... 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.
- 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.
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- 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>
- 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.
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- Kooij, G., Kroon, J., Paul, D., Reijerkerk, A., Geerts, D., van der Pol, S. M., ... Hekking, L. H. (2014). P-glycoprotein regulates trafficking of CD8+ T cells to the brain parenchyma. *Acta Neuropathologica*, *127*(5), 699–711.
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- 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 2014 Alzheimer's Association International Conference 2014*, *10*(4, Supplement), P215. <https://doi.org/10.1016/j.jalz.2014.04.287>
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- Mok, K. Y., Jones, E. L., Hanney, M., Harold, D., Sims, R., Williams, J., ... 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.
- 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.
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- Reinert, J., Martens, H., Huettenrauch, M., Kolbow, T., Lannfelt, L., Ingelsson, M., ... 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.
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