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Microtubule associated proteins and plasticity in the developing and diseased brain

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LIST OF PUBLICATIONS

Karin Boekhoorn, Dick Terwel, Barbara Biemans, Peter Borghgraef, Olof Wiegert, Ger J. Ramakers, Harm Krugers, Marian Joels, Fred van Leuven, Paul J. Lucassen (2006) Tau-P301L transgenic mice show improved long term potentiation and memory function at young ages, prior to the onset of hyperphosphorylation and tauopathy. *J. Neurosci.* 26: 3514-3523

Karin Boekhoorn, Marian Joels and Paul J Lucassen (2006) Glia-rich regions and the vasculature, rather than the neuronal layers, contribute most to the increased adult proliferation in the presenile Alzheimer hippocampus. In press: *Neurobiology of Disease*.

Kristina Sennvik*, Karin Boekhoorn*, Reena Lasrado*, Dick Terwel¹, Steven Verhaeghe, Hubert Korr, Christoph Schmitz, Takami Tomiyama, Hiroshi Mori, Harm Krugers, Marian Joels, Ger J.A. Ramakers, Paul J. Lucassen, Fred Van Leuven (*; shared first authors) (2006) Human tau-4R suppresses precursor proliferation and promotes neuronal differentiation in the hippocampus of humanized tau knock-in/knock-out mice. Submitted.

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Book Chapters

Lucassen, P.J., Heine, V. M., Boekhoorn, K. and Krugers, H. (2002) Neural Degeneration. In Nadel, L. (Ed.) *Encyclopedia of Cognitive Science*. Vol. 3, pp. 246 - 252. London: Nature Publishing Group.

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