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Activity- and pharmacology-dependent modulation of adult neurogenesis in relation to Alzheimer's disease

Marlatt, M.W.

Publication date
2012

[Link to publication](#)

Citation for published version (APA):

Marlatt, M. W. (2012). *Activity- and pharmacology-dependent modulation of adult neurogenesis in relation to Alzheimer's disease*. [Thesis, fully internal, Universiteit van Amsterdam].

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List of Publications

van Weteringen W, **Marlatt MW**, Meerhoff GF, Boekhoorn K, Edwin H. Jacobs EH , Casper C. Hoogenraad CC, and Lucassen PJ. Physical exercise increases neurogenesis and reduces tau hyperphosphorylation in a transgenic model for Alzheimer's disease; *in preparation*.

Marlatt MW, Potter M, Bayer TA, van Praag H, Lucassen PJ
Prolonged running increases neurogenesis but fails to induce BDNF or alter neuropathology in the 3xTg mouse model of Alzheimer disease.
Submitted May 2012

Marlatt MW, Bauer J, Aronica E, van Haastert ES, Hoozemans JJM, Joels M and Lucassen PJ. Iba1+ microglia proliferate in the human hippocampus at sites of amyloid deposition. *Submitted May 2012*

Marlatt MW, Potter M, Lucassen PJ, van Praag H. Chronic running in middle-aged C57Bl6 mice rescues an age-dependent spatial memory deficit *Dev. Neurobiol.* 2012 Jan 17 *Epub ahead of print*

Marlatt MW, Philippens I, Manders E, Czeh B, Joels M, Krugers H, Lucassen PJ. Distinctive structural plasticity in the hippocampus middle-aged common marmoset (*Callithrix jacchus*) following psychosocial stress. *Exp Neurol.* 2011 Aug; 230(2): 291-301.

van Tijn P, Kamphuis W, **Marlatt MW**, Hol EM, Lucassen P. Presenilin mouse and zebrafish models for dementia: focus on neurogenesis. *Prog Neurobiol.* 2011 Feb;93(2):149-64.

McCampbell A, Wessner K, **Marlatt MW**, Wolffe C, Toolan D, Podtelezchnikov A, Yeh S, Zhang R, Szczerba P, Tanis KQ, Majercak J, Ray WJ, Savage M. Induction of Alzheimer-like changes in brain of mice of mice expressing mutant APP fed excess methionine. *J Neurochem.* 2011 Jan; 116(1): 82-92

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McShea A, **Marlatt MW**, Lee HG, Tarkowsky SM, Smit M, Smith MA. The Application of Microarray Technology to Neuropathology: Cutting Edge Tool with Clinical Diagnostics Potential or Too Much Information?" *J Neuropathol and Exp Neurol* 2006 Nov;65(11):1031-9

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