



UvA-DARE (Digital Academic Repository)

Adult hippocampal cell birth and death in relation to stress, aging and the vasculature

Heine, V.M.

Publication date
2004

[Link to publication](#)

Citation for published version (APA):

Heine, V. M. (2004). *Adult hippocampal cell birth and death in relation to stress, aging and the vasculature*. [Thesis, fully internal, Universiteit van Amsterdam].

General rights

It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations

If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: <https://uba.uva.nl/en/contact>, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.

Publications

Papers

Heine V.M., Maslam S., Joëls M. and Lucassen P.J. (2001) Young and old cells in young and old brains – Changes in hippocampal apoptosis and neurogenesis with aging in the rat dentate gyrus. *Neurobiology – An International Multidisciplinary Journal in Neurosciences*. 9(3-4): 193-195.

Qin Y.*, Heine V.M.*, Karst H., Lucassen P.J. and Joëls M. (2003) Gene expression patterns in rat dentate granule cells: comparison between fresh and fixed tissue. *Shared first authorship. *Journal of Neuroscience Methods*: 131(1-2): 205-11.

Heine V.M., Maslam S., Joëls M. and Lucassen P.J. (2004) Prominent decline of newborn cell proliferation, differentiation, and apoptosis in the aging dentate gyrus, in absence of an age-related hypothalamus-pituitary-adrenal axis activation. *Neurobiology of Aging*, 25: 361-375.

Heine V.M., Maslam S., Zareno J., Joëls M. and Lucassen P.J. (2004) Suppressed proliferation and apoptotic changes in the rat dentate gyrus after acute and chronic stress are reversible. *European Journal of Neuroscience*, Vol. 19(1): 131-144.

Heine V.M., Maslam S., Joëls M. and Lucassen P.J. (2004) Increased p27Kip1 protein expression in the dentate gyrus of chronically stressed rats indicates G1 arrest involvement. *Neuroscience*, in press.

Heine V.M., Maslam S., Zareno J., Joëls M. and Lucassen P.J. (2004) Chronic stress reduces vascular-associated adult proliferation, VEGF and Flk-1 protein expression in the rat dentate gyrus. *submitted*

Heine V.M., Maslam M., Kleefstra A., Joëls M. and Lucassen P.J. (2004) Age-related changes in the vascular-associated population of actively cycling cells in the rat dentate gyrus. *submitted*

Tiesjema B., Heine V.M., Kamphuis P.J.G.H., Van Bel F., Wiegant V.M. and Lucassen P.J. (2004) Neonatal dexamethasone treatment alters neurogenesis and apoptosis in the adult rat hippocampus. *submitted*.

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.*

Joëls M., Karst K., Verkuyl M., Van Riel E., Alfarez D., Heine V.M., Krugers H. and Lucassen P.J. (2004) Effects of chronic stress on hypothalamic and hippocampal cell function and structure in rat. *Proceedings ISPNE meeting UK, in preparation.*









