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The parasympathetic responsiveness in young and aged rats

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Publication date:

Link to publication in University of Groningen/UMCG research database

Citation for published version (APA):

Buwalda, B. (1992). The parasympathetic responsiveness in young and aged rats: Involvement of aminergic and vasopressinergic mechanisms. s.n.

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Download date: 12-11-2019

List of Publications

Full Papers

- Buwalda, B., C. Nyakas, J.H. Strubbe, M. Hoes and B. Bohus. Age-related reduction in parasympathetic autonomic responses in the rat. In: From gene to man-Gerontological research in the Netherlands. C.F.A. van Bezooijen, R. Ravid and A.A.J. Verhofstad (eds). 1990: 90-94.
- <u>Buwalda</u>, B., S.M. Korte, G.A.H. Bouws, J.M. Koolhaas, F.W. Maes and B. Bohus. Neuroendocrine and cardiovascular responses to mild stress in young and aged rats. J. Auton. Nerv. Syst (submitted).
- <u>Buwalda</u>, B., J.H. Strubbe, M.W.N. Hoes and B. Bohus. Reduced preabsorptive insulin response in aged rats: Differential effects of amphetamine and arginine-vasopressin. J. Autonom. Nerv. Syst. 86:123-128; 1991.
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- <u>Buwalda</u>, <u>B</u>., C. Nyakas, J.M. Koolhaas, J.H. Strubbe en B. Bohus. Verminderde parasympathische autonome responsen tijdens veroudering. In: Grijze cellen, wijze cellen? Eds: W.H. Brouwer, H. Berger, B.G. Deelman, F. Flentge. 1989: 82-84.
- <u>Buwalda</u>, B., Nyakas, C., J.M. Koolhaas and B. Bohus. Effects of neonatal administration of vasopressin on behavioral and cardiac stress responses. Physiol. Behav. 50:929-932; 1991.
- <u>Buwalda</u>, <u>B.</u>, C. Nyakas, J.M. Koolhaas, P.G.M. Luiten and B. Bohus. Vasopressin delays recovery of behavioral and cardiac responses to mild stress in young but not in aged rats. Physiol. Behav. (submitted).
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- Korte, S.M., <u>B. Buwalda</u>, G.A.H. Bouws, J.M. Koolhaas, F.W. Maes and B. Bohus. Neuroendocrine and cardiovascular responsiveness in aged and young rats: A study in passive and active coping animals. Physiol. Behav. (in press).

Luiten, P.G.M., Wouterlood, F.G., T. Matsuyama, A.D. Strosberg, <u>B. Buwalda</u> and R.P.A. Gaykema. Immunocytochemical applications in neuroanatomy. Demonstration of connections, transmitters and receptors. Histochem. 90:85-97; 1988.

Luiten, P.G.M., E.A. van der Zee, E. Gáspár, <u>B. Buwalda</u>, A.D. Strosberg and C. Nyakas. Long-term cholinergic denervation caused by early postnatal AF64A lesion down-regulates muscarinic receptors in rat hippocampus. J. Chemical Neuroanat. (in press).

Nyakas, C., B. Buwalda, P.G.M. Luiten and B. Bohus. Effect of low amphetamine doses on cardiac responses to emotional stress in aged rats. Neurobiol. Aging. 13:123-129; 1991.

Van der Zee, E.A., <u>B. Buwalda</u>, J.H. Strubbe, A.D. Strosberg and P.G.M. Luiten. Immunocytochemical localization of muscarinic acetylcholine receptors in the rat endocrine pancreas. Cell & Tissue Res. (submitted).

Abstracts

Bohus, B., <u>B. Buwalda</u>, C. Nyakas, J.M. Koolhaas, S.M. Korte and J.H. Strubbe. Behavioural physiology and pathology of aging: Involvement of central aminergic drive, neuropeptides, and adrenal hormones. In: From gene to man- Gerontological research in the Netherlands. C.F.A. van Bezooijen, R. Ravid and A.A.J. Verhofstad (eds). 1990: 88-89.

<u>Buwalda</u>, B., J.M. Koolhaas and B. Bohus. Age-related changes in cardiac response during orientation: The effect of amphetamine and vasopressin. Eur. J. Pharmacol. 183 (1990) 302.

<u>Buwalda, B.,</u> S.M. Korte, G.A.H. Bouws, P.G.M. Luiten, J.M. Koolhaas and B. Bohus. Agerelated differences in stress-induced adrenal hormone responses. Soc. Neurosci. Abstr. 16 (1990) 116.4.

<u>Buwalda</u>. B., S.M. Korte, G.A.H. Bouws, J.M. Koolhaas and B. Bohus. Neuroendocrine and cardiovascular responses to mild stress in young and aged rats. Proc. 12th Low Countries Meeting 1991:18.

<u>Buwalda</u>, B., C. Nyakas, J.M. Koolhaas and B. Bohus. Effects of neonatal administration of vasopressin on cardiac and behavioral responses to emotional stress in adult rats. Soc. Neurosci. Abstr. 17 (1991) 563.1.