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Expression and function of nuclear receptor coregulators in brain: understanding the cell-specific effects of glucocorticoids

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PUBLICATIONS

Full papers

1. **van der Laan S**, Sarabdjitsingh RA, Van Batenburg MF, Lachize SB, Li H, Dijkmans TF, Vreugdenhil E, de Kloet ER, Meijer OC. Chromatin immunoprecipitation scanning identifies glucocorticoid receptor binding regions in the proximal promoter of a ubiquitously expressed glucocorticoid target gene in brain. *J Neurochem.* 2008 Aug 14. [Epub ahead of print]
2. **van der Laan S**, Meijer OC. Pharmacology of glucocorticoids: beyond receptors. *Eur J Pharmacol.* 2008 May 13;585(2-3):483-91.
3. **van der Laan S**, Lachize SB, Vreugdenhil E, de Kloet ER, Meijer OC. Nuclear receptor coregulators differentially modulate induction and glucocorticoid receptor-mediated repression of the corticotropin-releasing hormone gene. *Endocrinology.* 2008 Feb;149(2):725-32.
4. Meijer OC, **van der Laan S**, Lachize S, Steenbergen PJ, de Kloet ER. Steroid receptor coregulator diversity: what can it mean for the stressed brain? *Neuroscience.* 2006;138(3):891-9.
5. **van der Laan S**, Lachize SB, Schouten TG, Vreugdenhil E, de Kloet ER, Meijer OC. Neuroanatomical distribution and colocalisation of nuclear receptor corepressor (N-CoR) and silencing mediator of retinoid and thyroid receptors (SMRT) in rat brain. *Brain Res.* 2005 Oct 19;1059(2):113-21.
6. Ingram N, Martin S, Wang JH, **van der Laan S**, Loiacono R, van den Buuse M. Interaction of corticosterone and nicotine in regulation of prepulse inhibition in mice. *Neuropharmacology.* 2005 Jan;48(1):80-92.
7. Meijer OC, Kalkhoven E, **van der Laan S**, Steenbergen PJ, Houtman SH, Dijkmans TF, Pearce D, de Kloet ER. Steroid receptor coactivator-1 splice variants differentially affect corticosteroid receptor signaling. *Endocrinology.* 2005 Mar;146(3):1438-48.
8. Datson NA, Meijer L, Steenbergen PJ, Morsink MC, **van der Laan S**, Meijer OC, de Kloet ER. Expression profiling in laser-microdissected hippocampal subregions in rat brain reveals large subregion-specific differences in expression. *Eur J Neurosci.* 2004 Nov;20(10):2541-54.

Poster presentations

1. **van der Laan S**, Sarabdjitsingh RA, Lachize SB, Schouten TG, de Kloet ER and Meijer OC. The Glucocorticoid-Induced Leucine Zipper gene: a good candidate gene for chromatin immunoprecipitation on brain tissue.
2. **van der Laan S**, Lachize S, Schouten TG, de Kloet ER, and Meijer OC. Nuclear Receptor Corepressor and Silencing Mediator of Retinoid and Thyroid hormone receptor mRNA and protein mapping in brain reveals differential expression in glucocorticoid target cells.
3. **van der Laan S**, Meijer OC. Neuroanatomical distribution and colocalisation of nuclear receptor corepressor and silencing mediator of retinoic and thyroid receptors in rat brain.
4. **van der Laan S**, Lachize S, Steenbergen PJ, de Kloet ER and Meijer OC. Function of coregulators in the glucocorticoid receptor mediated regulation of the HPA axis activity: colocalisation studies.

CURRICULUM VITAE

Siem van der Laan, geboren op 10 augustus 1978 te Lusaka (Zambia).

- 1 december 2008 Postdoc onderzoeker bij de afdeling ‘Surveillance et Stabilité du Génome’ aan het Institut de Genetique Humaine CNRS UPR 1142 Montpellier, France.
- 2003-2008 Promotie onderzoek bij de afdeling Medische Farmacologie, aan het LACDR, Leiden, The Netherlands.
- 1997-2003 Masters opleiding Bio-Farmaceutische Wetenschappen (BFW), Universiteit Leiden, The Netherlands.
- 2002-2003 Onderzoekstage bij de afdeling ‘Behavioural Neuroscience Laboratory’ aan het Mental Health Research Institute in Melbourne, Australia.
- 2001-2002 Onderzoekstage bij de afdeling Medische Farmacologie, aan het LACDR, Leiden, The Netherlands.
- 1997 Baccalaureat Scientifique (*specialite mathematique*) in Grenoble, France. College du Lemman, Versoix, Switzerland.