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The adolescent brain : unraveling the neural mechanisms of cognitive and affective development

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List of publications

Peters, S., Peper, J.S., Van Duijvenvoorde, A.C.K., Braams, B.R. & Crone, E.A. (in revision, 2015). Amygdala-orbitofrontal connectivity predicts alcohol use two years later: A longitudinal neuroimaging study on alcohol use in adolescence.

Peters, S., Van der Meulen, M., Zanolie, C.K.K. & Crone, E.A. (in revision, 2015). Predicting reading and mathematics from neural activity for feedback learning: A longitudinal study.

Peters, S., Van Duijvenvoorde, A. C. K., Koolschijn, P.C.M.P. & Crone, E.A. (in revision, 2015). Longitudinal development of neural activity in the frontoparietal network: contributions of age, performance, working memory and brain structure.

Van Duijvenvoorde, A. C. K., Achterberg, M., Braams, B. R., **Peters, S.,** & Crone, E. A. (in press). Testing a dual-systems model of adolescent brain development using resting-state connectivity analyses. *NeuroImage*.

Braams, B.R., Peper, J.S., Van der Heide, D., **Peters, S.,** & Crone, E.A. (in revision, 2015). Nucleus accumbens response to rewards and testosterone levels are related to alcohol use in adolescents.

Peters, S., Jolles, D. J., van Duijvenvoorde, A. C. K., Crone, E. A., & Peper, J. S. (2015). The link between testosterone and amygdala-orbitofrontal cortex connectivity in adolescent alcohol use. *Psychoneuroendocrinology*, 53, 117-126.

Braams, B.R., **Peters, S.,** Peper, J.S., Güroglu, B., Crone, E.A. (2014). Gambling for self, friends, and antagonists: Differential contributions of affective and social brain regions on adolescent reward processing. *Neuroimage*, 100, 281-289.

Peters, S., Braams, B.R., Raijmakers, M.E., Koolschijn, P.C.M.P.*, Crone, E.A* (2014). The neural coding of feedback learning across child and adolescent development. *Journal of Cognitive Neuroscience*, 26, 1705-1720. *shared last authorship.

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Klapwijk, E. T., **Peters, S.,** Vermeiren, R. R., & Lelieveld, G. J. (2013). Emotional reactions of peers influence decisions about fairness in adolescence. *Frontiers in Human Neuroscience*, 7, 745.

Peters, S., Cleare, A. J., Papadopoulos, A., & Fu, C. H. (2011). Cortisol responses to serial MRI scans in healthy adults and in depression. *Psychoneuroendocrinology*, 36, 737-741.

Curriculum Vitae

Sabine Peters was born on July 12th 1987 in Leiderdorp, the Netherlands. After graduating from secondary school (Stedelijk Gymnasium Leiden), Sabine obtained her Bachelor's degree in Psychology (cum laude) in 2008 and her Research Master's degree in Brain and Cognitive Sciences (cum laude) in 2010 from the University of Amsterdam. During her studies, she worked as an fMRI assistant in the Cognitive Neuroscience Group, where she gained experience with many different techniques and research topics. Sabine also completed two research internships in which she investigated neural aspects of sleep and insomnia (Netherlands Institute for Neuroscience) and hippocampal volume and cortisol levels in depressed individuals (King's College London). In 2011, she started her PhD project at the Brain & Development Lab in Leiden University under supervision of Eveline Crone. Sabine explored cognitive and affective aspects of adolescent development in relation to brain maturation and sex hormones. She will continue her work on adolescent brain development as a post-doctoral researcher in the Brain & Development Lab in Leiden.

