

Dr. Anna E. Goudriaan – short bio

Anneke Goudriaan is senior researcher at the Academic Medical Center, Department of Psychiatry, University of Amsterdam. Currently, she is heading neuroimaging studies (fMRI) in pathological gamblers and alcohol dependent patients, studying cognitive and motivational processes through functional MRI. Specifically, impulsivity, cognitive flexibility, and the interaction with motivational processing is investigated. Her main interests are in the neurocognition and neuroimaging of addictive disorders, and in the effects of neuromodulation and psychopharmacological interventions on abnormal motivational and cognitive functions in addictive disorders. Anneke Goudriaan is the 2009 recipient of the Young Investigator Scientific Achievement Award of the Institute for Problem Gambling (USA). Currently she is a PI on grants sponsored by the Dutch Organisation for Health Research (ZonMw), Dutch Scientific Society (NWO), and by the international program of the NIDA.

Recent publications:

Goudriaan AE, de Ruiter MB, van den Brink W, Oosterlaan J, Veltman DJ. Brain activation patterns associated with cue reactivity and craving in abstinent problem gamblers, heavy smokers, and healthy controls: an fMRI study. *Addiction Biology* 2010; 15:491-503.

van Holst RJ, van den Brink W, Veltman DJ, Goudriaan AE. Why gamblers fail to win: a review of cognitive and neuroimaging findings in pathological gambling. *Neurosci Biobehav Rev* 2010; 34:87-107.

de Ruiter MB, Veltman DJ, Goudriaan AE, Oosterlaan J, Sjoerds Z, van den Brink W. Response perseveration and ventral prefrontal sensitivity to reward and punishment in male problem gamblers and smokers. *Neuropsychopharmacology* 2009; 34:1027-38.