

## Publications (21)

Total citations: 420; h-index: 12; i10-index: 13,  
Last updated: Dec 2018

### Senior author:

- Draper A, Koch R, Pickkers P, Husain M, **van der Schaaf ME\***, Effort but not reward sensitivity is altered by acute sickness induced by experimental endotoxemia in humans. *Neuropsychopharmacology* (2017). IF5 =7.0

### First author:

- **van der Schaaf ME**, Roelofs K, de Lange FL, Geurts DEM, van der Meer JM, Knoop H, Toni I, Fatigue is associated with altered preparation and monitoring of physical effort in patients with chronic fatigue syndrome, *Biological psychiatry: Cognitive neuroscience and neuroimaging* (2018)
- **van der Schaaf, ME**, De Lange, FP, Schmits, IC, Geurts, DEM, Roelofs, K, van der Meer, JWM, Toni, I, Knoop, J, Prefrontal structure varies as function of pain symptoms in patients with Chronic Fatigue Syndrome, *Biological psychiatry* (2016), IF = 11.4
- **van der Schaaf ME**, Toni I, Roelofs K, de Lange FL, Geurts DEM, van der Meer JM, Knoop H, (2015), Investigating neural mechanisms of change of cognitive behavioural therapy for chronic fatigue syndrome: a randomized controlled trial, *BMC psychiatry*. IF5= 3.1 – Preregistration of study plans
- **van der Schaaf ME**, van Schouwenburg MR, Geurts DEM, Schellekens AFA, Buitelaar JK, Verkes RJ, Cools R, Establishing the dopamine-dependency of human striatal signals during reward and punishment reversal learning, *Cerebral Cortex* (2014), IF5 = 6.9.
  - o F1000 Faculty recommendation by Michael Frank
- **van der Schaaf, ME**, Fallon, SJ, ter Huurne, N, Buitelaar, J, & Cools, R (2013), Working Memory Capacity Predicts Effects of Methylphenidate on Reversal Learning. *Neuropsychopharmacology*, IF5 = 7.0
- **van der Schaaf ME**, Zwiers MP, van Schouwenburg MR, Geurts DEM, Schellekens AFA, Buitelaar JK, Verkes RJ, Cools R, (2013), Dopaminergic drug effects during reversal learning depend on anatomical connections between the orbitofrontal cortex and the amygdala, *Frontiers in human Neuroscience*, IF5 = 4.0
- **Van der Schaaf, ME**, Warmerdam, E, Crone, EA, & Cools, R (2011), Distinct linear and non-linear trajectories of reward and punishment reversal learning during development: Relevance for dopamine's role in adolescent decision making. *Developmental Cognitive Neuroscience*, 1(4):578-90. IF5 = 4.8

### Co-author:

- Roerink M, **van der Schaaf ME**, Hawinkels LJAC, Knoop H, Joosten LAB, van der Meer JMW, Pitfalls in cytokine measurements – assessing TGFβ in Chronic Fatigue Syndrome. *The Netherlands Journal of Medicine*, 2018
- Roerink ME, Roerink SHPP, Skoluda N, **van der Schaaf ME**, Hermus ARMM, van der Meer JWM, Knoop H, Nater UM, Saliva and Hair Cortisol in a Large Cohort of Chronic Fatigue Syndrome Patients. *Hormones and Behaviour*, 2018, IF5 = 4.0
- Roerink M, **van der Schaaf ME**, Dinarello CA, Knoop H, van der Meer JWM, Interleukin-1 as a mediator of fatigue in disease; A narrative review, *Journal of Neuroinflammation* (2017), IF5 = 5.7
- Timmer MHM, Sescousse G, **van der Schaaf ME**, Esselink RAJ, Cools R, Striatal reward learning deficits in Parkinson's disease depend on depression (history), *Psychological Medicine* (2017), IF5 = 5.8, pre-published on <http://biorxiv.org>

- Fallon, S. **van der Schaaf, ME**, ter Huurne, NP, Cools, R, (2016) The neurocognitive cost of enhancing cognition with methylphenidate: improved distracter resistance but impaired updating *Journal of Cognitive Neuroscience*, accepted IF5 =4.1
- Spronk, DB, **Van der Schaaf, ME**, Cools, R, De Bruijn, ERA, Franke, B, van Wel, JHP, Ramaekers, JG. & Verkes, RJ, (2015) Acute effects of cocaine and cannabis on reversal learning as a function of *COMT* and *DRD2* genotype, *Psychopharmacology*, IF5 =3.5
- Piray P, den Ouden HEM, **van der Schaaf ME**, Toni I, Cools R, (2015), Dopaminergic modulation of the functional ventrodorsal architecture of the human striatum, *Cerebral Cortex*, IF5 = 6.9
- ter Huurne NP, Fallon SJ, van Schouwenburg MR, **van der Schaaf ME**, Buitelaar JK, Jensen O, Cools R, (2015), Methylphenidate Alters Selective Attention by Amplifying Salience, *Psychopharmacology*, IF5 =3.5
- Von Rhein R, Cools R, Zwiers MP, **van der Schaaf ME**, Franke B, Luman L, Oosterlaan J, Heslenfeld DJ, Hoekstra PJ, Hartman CA, Faraone SV, van Rooij D, van Dongen EV, Lojowska M, Mennes M, Buitelaar J (2015), Increased Neural Responses to Reward in Adolescents and Young Adults With Attention-Deficit/Hyperactivity Disorder and Their Unaffected Siblings, *Journal of the American Academy of Child & Adolescent Psychiatry*, IF5 = 7.8
- van Schouwenburg MR, Zwiers MP, **van der Schaaf ME**, Geurts DEM, Schellekens AFA, Buitelaar JK, Verkes RJ, Cools R (2013), Anatomical connection strength predicts dopaminergic drug effects on fronto-striatal function, *Psychopharmacology*, IF5 =3.5
- Winkel J, Van Maanen L, **van der Schaaf ME**, van Schouwenburg MR, Cools R, Forstmann BU (2012), Bromocriptine does not alter speed-accuracy tradeoff, *Frontiers in Decision Neuroscience*, IF = 4.0
- van Holstein M, Aarts E, **van der Schaaf ME**, Geurts DE, Verkes RJ, Franke B, van Schouwenburg MR, Cools R, (2011), Human cognitive flexibility depends on dopamine D2 receptor signalling. *Psychopharmacology*, 218(3):567-78. IF5 =3.5
- Raemaekers M, **van der Schaaf ME**, van Ee R, van Wezel RJ, (2009), Widespread fMRI activity differences between perceptual states in visual rivalry are correlated with differences in observer biases. *Brain Research*, 1252:161-71, IF5 = 2.7

In preparation:

- Răţală CE, Fallon SJ, **van der Schaaf ME**, Huurne N, Cools R, Sanfey AG, Catecholaminergic modulation of trust decisions (revisions)