

## Personal

Name: **Aarts, E. (Esther)**  
 Title: Dr.  
 Gender: Female  
 Date of Birth: December 10, 1980  
 Place of Birth: Eindhoven, the Netherlands  
 Nationality: Dutch  
 Marital status: Married, 2 daughters (born in 2013 + 2016)  
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## Summary

1999-2002	Bachelor medical Biology	Radboud University
2002-2004	Master Neurobiology	Radboud University
2004-2008	PhD student Cognitive Neuroscience	Radboud University, Donders (DCC + DCCN)
2008-2010	Post-doc	Radboudumc (psychiatry) + Donders (DCCN)
2010-2012	Niels Stensen Fellow	University of California, Berkeley
2012-2017	Veni + AXA fellow, senior researcher	Radboud University, Donders (DCCN)
2017-	Associate PI & coordinator Food & Cognition	Radboud University, Donders (DCCN)
	H-index	16
	Total funding obtained	for organization (not counting partners): € 2,032,034
	Supervision PhD students	10, of which co-promotor: 5 (3 completed)

## Current Affiliation

July 2017 – **Associate PI + coordinator Food & Cognition** (1.0 fte, permanent)

Sept 2013 – 2017 Senior researcher (1.0 fte, fixed-term)

Sept 2012 – Aug 2013 Postdoctoral researcher (1.0 fte, fixed-term)

Centre for Cognitive Neuroimaging  
 Donders institute for Brain, Cognition, and Behavior  
**Radboud University Nijmegen, The Netherlands**  
 Address: Kapittelweg 29, room 1.112A  
 6525 EN Nijmegen, The Netherlands

### Main running research projects:

- Rijnstate-Radboudumc project: *Influence of increased body weight on brain structure and function; are we getting dumber?*
  - co-supervising PhD student Debby Vreeken
- EFRO-BriteN: *The effects of nutrition and (risk for) obesity on neurocognitive development of spatial cognition* (co-applicant)
- supervising PhD student Claudia van Dun

- NWO-FCB: *Elucidating the neurocognitive mechanisms controlling satiation* (co-applicant, WP2: leader)
  - supervising post-doc Joost Wegman and PhD student Iris duif
- TKI-LSH: *The impact of probiotics on neurocognitive measures of emotion and executive functioning* (main applicant)
  - supervising research assistants Franziska Michels and Silvia Papalini
- EFRO-FOCOM: *fNIRS correlates of food choice, food experience and functional foods* (WP2: co-leader; WP4: leader)
  - supervising post-doc Joost Wegman and research assistant Lars Didden
- NWO-VENI: *The neural correlates of mindful eating* (sole applicant)
  - supervising PhD student Lieneke Janssen

## Previous Affiliations

Sept 2010 – Aug 2012

**Postdoctoral researcher** (1.0 fte, fixed-term)

Sept 2010 – Aug 2011: Niels Stensen fellow  
D'Esposito lab, Helen Wills Neuroscience Institute  
**University of California, Berkeley**

### Main projects:

- Niels Stensen stipend: *The role of dopamine and noradrenaline in attentional control* (sole applicant)
  - supervising master student Charlotte Gissen and bachelor student Katie Cheng

Oct 2008 - Aug 2010

**Postdoctoral researcher** (1.0 fte, fixed-term)

Donders Institute for Brain, Cognition and Behaviour,  
Centre for Cognitive Neuroimaging, Centre for Neuroscience  
(Dept. of Psychiatry)  
**Radboud University Nijmegen (Medical Centre)**  
The Netherlands

### Main projects:

- Hersenstichting fellowship: *The role of dopamine in the interaction between motivation and cognition in Parkinson's disease* (co-writer)
  - supervising master student Bram Nusselein
- *The role of dopamine in the interaction between motivation and cognition in ADHD*
  - supervising research assistant Mieke van Holstein

## Education

2004 - 2008

**PhD student at Donders Institute for Brain, Cognition and Behaviour**

Centre for Cognitive Neuroimaging & Centre for Cognition

**Radboud University Nijmegen, The Netherlands**

Thesis: *Resisting temptation - The role of the anterior cingulate cortex in adjusting cognitive control*

Thesis approved: Mar 23, 2009; Thesis defended: Sept 9, 2009

Dissertation Committee:

Dr. Ardi Roelofs, Dr. Roshan Cools, Prof. Dr. Peter Hagoort

- 2002 – 2004    **Master biology** (medical), Radboud University Nijmegen – **Cum laude**
- One year traineeship at the F.C. Donders Centre for Cognitive Neuroimaging.  
Master thesis: *Naming in one modality facilitates naming in the other modality one day later: a cross-modal event-related fMRI study*  
Supervisor: Dr. Miranda van Turenout
  - One year traineeship at the Faculty of Science, Mathematics, and Computing Science (science communication department)  
Master thesis: *Using electronic communication for a medical consult*
- 1999 – 2002    **Bachelor biology** (medical), Radboud University Nijmegen

## Publications

<u>International (refereed) journals</u>	<u>IF</u>
<b>Aarts E</b> , Ederveen THA, Naaijen J, Zwiers MP, Boekhorst J, Timmerman HM, Smeekens SP, Netea MG, Buitelaar JK, Franke B, van Hijum SAFT, Arias Vasquez A (2017). Gut microbiome in ADHD and its relation to neural reward anticipation. <b>PLoS One</b> 12(9): e0183509.	<b>2.8</b>
Gratton C, Yousef S, <b>Aarts E</b> , Wallace D, D'Esposito M, Silver M (2017). Cholinergic, but not dopaminergic or noradrenergic, enhancement sharpens visual spatial perception in humans. <b>Journal of Neuroscience</b> 37(16):4405-4415.	<b>6.9</b>
Nieuwhof F, Bloem BR, Reelick MF, <b>Aarts E</b> , Maidan I, Mirelman A, Hausdorff JM, Toni I, Helmich RC (2017). Impaired dual tasking in Parkinson's disease is associated with reduced focusing of cortico-striatal activity. <b>Brain</b> . Mar 17.	<b>10.1</b>
Janssen LK, Duif I, van Loon I, Wegman J, de Vries JH, Cools R, <b>Aarts E</b> (2017). Loss of lateral prefrontal cortex control in food-directed attention and goal-directed food choice in obesity. <b>Neuroimage</b> 146:148-156.	<b>5.5</b>
Dirkx MF, Den Ouden H, <b>Aarts E</b> , Timmer M, Bloem BR, Toni I, Helmich RC (2017). Dopamine controls Parkinson's tremor by inhibiting the cerebellar thalamus. <b>Brain</b> 140(3):721-734.	<b>10.1</b>
Bochove ME, Ketel E, Wischniewski M, Wegman J, <b>Aarts E</b> , de Jonge B, Medendorp WP, Schutter DJ (2016). Posterior resting state EEG asymmetries are associated with hedonic valuation of food. <b>Int J Psychophysiol.</b> 110: 40-46. d	<b>2.6</b>
Van Holst RJ, Van der Crujisen L, Van Mierlo P, Lammers GJ, Cools R, Overeem S, <b>Aarts E</b> (2016). Aberrant food choices after satiation in human orexin-deficient narcolepsy type-1. <b>SLEEP</b> 39(11): 1951-1959.	<b>4.8</b>
Bloemendaal M, Zandbelt B, Wegman J, Van de Rest O, Cools R, <b>Aarts E</b> (2016). Contrasting neural effects of aging on proactive and reactive response inhibition. <b>Neurobiology of Aging</b> 46: 96-106.	<b>5.2</b>
Van Rijn I, Wegman J, <b>Aarts E</b> , De Graaf C, Smeets PAM (2016). Health interest is	<b>3.6</b>

- associated with a greater reward response to receipt of a perceived low-caloric beverage. **Health Psychology**. *in press*
- Dirkx MF, den Ouden H, **Aarts E**, Timmer M, Bloem BR, Toni I, Helmich RC (2016). The cerebral network of Parkinson's tremor - an effective connectivity fMRI study. **Journal of Neuroscience** **36**(19): 5362-72. **5.9**
- Smith CT, Wallace DL, Dang LC, **Aarts E**, Jagust WJ, D'Esposito M, Boettiger CA (2016). Modulation of impulsivity and reward sensitivity in intertemporal choice by striatal and midbrain dopamine synthesis in healthy adults. **J Neurophysiol.** **115**(3): 1146-56. **2.9**
- Wallace DL, **Aarts E**, d'Oleire Uquillas F, Dang LC, Greer SM, Jagust WJ, D'Esposito M (2015). Genotype status of the dopamine-related catechol-O-methyltransferase (COMT) gene corresponds with desirability of "unhealthy" foods. **Appetite** **92**: 74-80. **2.5**
- Val-Laillet D, **Aarts E**, Weber B, Ferrari M, Quaresima V, Stoeckel L, Alonso-Alonso M, Audette M, Malbert CH, Stice E (2015). Neuroimaging and neuromodulation approaches to study eating behavior, prevent and treat eating disorders and obesity. **NeuroImage: Clinical** **8**: 1-31.
- Bahlmann J, **Aarts E**, D'Esposito M (2015). The influence of motivation on control hierarchy in the human frontal cortex. **Journal of Neuroscience** **35**(7): 3207-3217. **7.6**
- Aarts E** & Van Holstein M (*shared first author*), Hoogman M, Onnink M, Kan C, Franke B, Buitelaar J, Cools R (2015). Reward modulation of cognitive function in adult ADHD: a pilot study on the role of striatal dopamine. **Behavioural Pharmacology** **26**(1-2):227-240. **2.2**
- Bloemendaal M, van Schouwenburg MR, Miyakawa A, **Aarts E**, D'Esposito M, Cools R. (2015). Dopaminergic modulation of distracter-resistance and prefrontal delay period signal. **Psychopharmacology** **232**(6):1061-1070. **4.1**
- Aarts E**, Nusslein AAM, Smittenaar P, Helmich RC, Bloem BR, Cools R (2014). Greater striatal responses to medication in Parkinson's disease are associated with better task-switching but worse reward performance. **Neuropsychologia** **62**: 390-397. **3.5**
- Wallace DL, **Aarts E**, Dang LC, Greer SM, Jagust WJ, D'Esposito M (2014). Dorsal striatal dopamine, food preference and health perception in humans. **PLoS One** **9**(5): e96319. **3.7**
- Aarts E**, Wallace DL, Dang LC, Jagust W, Cools R, D'Esposito M (2014). Dopamine and the cognitive downside of a promised bonus. **Psychological Science** **25**(4): 1003-1009. [TICS spotlight](#) **4.5**
- Hoogman M, Onnink M, Cools R, **Aarts E**, Kan C, Arias Vasquez A, Buitelaar J, Franke B (2013). The dopamine transporter haplotype and reward-related striatal responses in adult ADHD. **Eur Neuropsychopharmacol** **23**(6): 469-478. **4.6**
- Smittenaar P, Chase HW, **Aarts E**, Nusslein B, Bloem BR, Cools R (2012). Decomposing effects of dopaminergic medication in Parkinson's disease on **3.8**

probabilistic action selection: learning or performance? *European Journal of Neuroscience* **35**(7): 1144-1151.

**Aarts E**, Helmich RC, Janssen M, Oyen W, Bloem BR, & Cools R (2012). Aberrant reward processing in Parkinson's disease is associated with dopamine cell loss. *NeuroImage* **59**(4): 3339-3346. **6.3**

**Aarts E**, Van Holstein M, Cools R (2011). Striatal dopamine and the interface between motivation and cognition. *Frontiers in Psychology* **2**:163.  
[Faculty of 1000 prime recommendation](#)

**Aarts E & Van Holstein M** (*shared first author*), Van der Schaaf M, Geurts DEM, Verkes RJ Franke B, Van Schouwenburg M, Cools R (2011). Human cognitive flexibility depends on dopamine D2 receptor signaling. *Psychopharmacology* **218**(3): 567-578. **4.1**

Hoogman, M, **Aarts, E**, Zwiers M, Slaats-Willemse D, Naber M, Cools R, Kan C, Buitelaar JK, Franke B (2011). Nitric oxide synthase genotype modulation of impulsivity and ventral striatal activity in adult ADHD patients and healthy comparison subjects. *The American Journal of Psychiatry* **168**(10): 1099-1106 **14.7**

Van Schouwenburg M, **Aarts E**, Cools R (2010). Dopaminergic modulation of cognitive control: Distinct roles for the prefrontal cortex and the basal ganglia. *Current Pharmaceutical Design* **16**(18): 2026-2032. **4.4**

**Aarts E**, Roelofs A, Franke B, Rijpkema M, Fernandez G, Helmich RC, & Cools R (2010). Striatal dopamine mediates the interface between motivation and cognition in humans: Evidence from genetic imaging. *Neuropsychopharmacology* **35**(9): 1943-1951. **8.7**

**Aarts E & Roelofs A** (2011). Attentional control in anterior cingulate cortex based on probabilistic cueing. *Journal of Cognitive Neuroscience* **23**(3): 716-727. **5.4**

**Aarts E**, Roelofs A, & Van Turenout M (2009). Attentional Control of Task and Response in Lateral and Medial Frontal Cortex: Brain Activity and Reaction Time Distributions. *Neuropsychologia* **47**(10): 2089-2099. **4.3**

Helmich RC, **Aarts E**, De Lange F, Bloem B, Toni I (2009). Increased dependence of action selection on recent motor history in Parkinson's disease. *Journal of Neuroscience* **29**(19): 6105-6113. **8.7**

**Aarts E**, Roelofs A, & Van Turenout M (2008). Anticipatory activity in anterior cingulate cortex can be independent of conflict and error likelihood. *Journal of Neuroscience* **28**(18):4671– 4678. **8.7**

Leusink PM & **Aarts E** (2006). Treating erectile dysfunction through electronic consultation: a pilot study. *Journal of Sex & Marital Therapy* **32**(5): 401-407. **2.4**

#### Contributions to books

Cools R, **Aarts E**, & Mehta MA (2011). Paradoxical effects of drugs on cognitive function: The neuropsychopharmacology of the dopamine and other neurotransmitter systems. In:

## Scholarships, grants and prizes

- March 2016 Co-applicant **European Regional Development Fund** by the EU and (local) government for the project: "BriteN: Early nutritional Interventions for healthy brain development" (1,999,691 EUR funding for 4 years) *Public-private*
- Dec 2015 Main applicant **TKI allowance** by Topsector Life Sciences & Health for the project: "The impact of probiotics on neurocognitive measures of emotion and executive functioning" (80,573 EUR for 1 year) *Public-private*
- Nov 2014 Co-applicant **Food, Cognition and Behaviour grant** by the Netherlands Organisation for Scientific Research (NWO) for the project: "Satisfaction: Elucidating the neurocognitive mechanisms controlling satiation" (1,352,000 EUR for 4 years) *Public-private consortium; main applicant: Prof. dr. ir. C. de Graaf, Wageningen University*
- July 2012 Sole applicant **Veni grant** by the Netherlands Organisation for Scientific Research (NWO) for the project: "Breaking the habit: the neural correlates of mindful eating" (250,000 EUR for 3 years)
- Dec 2011 Sole applicant **AXA Research Fund post-doctoral fellowship** for the project "Food, brain, and distractibility: Goal-directed versus habitual control of food intake" to be carried out at the Donders Institute for Brain, Cognition and Behaviour, Nijmegen (120,000 EUR for 2 years)
- Jan 2011 Co-applicant **MaGW open competition**, The Netherlands Organisation for Scientific Research (NWO): "Integrating motivation, cognition and action - Frontal control of dopamine-dependent striatal processing"  
PIs: Ivan Toni, Roshan Cools (208,193 EUR for 4 years)
- April 2009 **HBM travel award** with abstract: "Parsing the role of dopamine in human reward and its cognitive consequences using genetic imaging" (750 USD)
- Jan 2009 Co-writer **Hersenstichting fellowship**: "Role of dopamine in the interaction between motivation and cognition in Parkinson's disease" (150,000 EUR for 2 years) *PI: Roshan Cools*
- Oct 2008 Sole applicant **Niels Stensen stipend** for the project "The role of catecholamines in attentional control" carried out at the University of California at Berkeley (47,530 EUR for 1 year)

## Supervision

- 1 post-doc (+ 1 post-doc, co-supervised)
- 5 PhD students (co-promotor = formal co-supervisor)
  - 3 graduated: Mieke van Holstein, Mirjam Bloemendaal, Lieneke Janssen
- 4 PhD students (co-supervisor on single projects)
  - 1 graduated: Martine Hoogman
- 9 master's students (7 master research theses + 2 literature theses)
- 5 postgraduate research assistants
- 6 undergraduate research assistants (1 honor's thesis)

## Teaching

- 2017 *Cognitive neuroscience of food intake control* for master students Biomedical sciences (**lecture**)
- 2017 *Control of food-related decisions - Relevance for obesity* for master students CogNeuro (**lecture**)
- 2014-2017 *Neuroscience and mindfulness* for Postacademische opleiding tot mindfulnesstrainer (**lecture**, yearly)
- 2014-2016 *Research: breaking bad eating habits* for interdisciplinary honors' students (**lecture**, yearly)
- 2013-2015 *Eating behavior and the brain* for undergraduate psychology students (**lecture**, yearly)
- 2015 *The creative brain* for undergraduate medicine students (**lecture**)
- 2013 *Trends: Fundamental role of dopamine in behavior* for master students CogNeuro (**lecture**)
- 2013 *Nutritional Neuroscience: Neurobiology of reward* for WUR students (**lecture**)
- 2012 *Neuroscience: Parkinson's disease* for biomedical students (**lecture**)
- 2010 *Frontal lobe function and working memory* for master students CogNeuro (**lecture**)
- 2009 *Neurocognition* for undergraduate biology students (**practical course**)
- 2009 + 2010 *Neurobiology & Psychiatry* for undergraduate medicine students (**lecture**)
- 2008 *Neuroimaging course II* - for master students CogNeuro (**teaching assistant**)
- 2005 Practical skills for 1st year undergraduate psychology students (**teaching assistant**)
- 2005 Practical skills for 2nd year undergraduate psychology students (**teaching assistant**)

## Invited lectures

- 2017 Society for the Study of Ingestive Behavior (SSIB), Montreal, Canada [*declined due to child birth*]
- 2017 Obesity Week, Washington D.C., US [*declined due to child birth*]
- 2016 ILSI Europe 2nd Workshop on 'Nutrition for the Ageing Brain', **Copenhagen, DK**  
Title: *Effects of tyrosine on brain and cognition in healthy older adults*
- 2016 Meeting with industry, **Wageningen, NL**  
Title: *The effects of mindfulness training on food reward processing and intake*
- 2015 Symposium 'Taste of Neuroscience', **Groningen, NL**  
Title: *Neural correlates of implicit and explicit food wanting and influence of food labels*
- 2015 Symposium 'Affective influences on behavior', **Nijmegen, NL**  
Title: *Loss of goal-directed control in obesity*
- 2015 Top day 'Psychology of students', **Utrecht, NL**  
Title: *The temptation of procrastination*
- 2015 Conference Food, SPiN, psychology students, **Nijmegen, NL**  
Title: *Losing control of food intake*
- 2015 Student committee Aches and Pains, medicine students, Nijmegen, NL  
Title: *Ritalin for students – a good idea (for the brain)?*
- 2015 Henk Aarts lab, **Utrecht, NL**

- Title: *Striatal dopamine and the effects of motivation on cognition*
- 2015 Colloquium Social Psychology, **Utrecht, NL**
- Title: *Breaking the habit – neurocognitive correlates of mindful eating*
- 2014 Workshop Impulsivity and compulsivity in psychopathology, **BSI, Nijmegen, NL**
- Title: *Losing control of food intake*
- 2014 Workshop Motivation and cognitive control, **BSI, Nijmegen, NL**
- Title: *Dopamine and the cognitive downside of a promised bonus*
- 2014 Colloquium for **natural sciences** students, **Nijmegen, NL**
- Title: *Neurocognitive mechanisms of bad eating habits*
- 2014 Addiction symposium **biology** students, **Nijmegen, NL**
- Title: *Eating behavior and the brain*
- 2013 Colloquium Cognitive Psychology and LIBC, **Leiden, NL**
- Title: *Dopamine and detrimental effects of motivation on cognition*
- 2013 **BrainGain** end event, **Nijmegen, NL**
- Title: *BrainG(r)ain: Food Cognition Model systems to understand consumers' behavior and to use food for health*
- 2013 **KNAW** symposium, **Nijmegen, NL**
- Title: *Experiences with grant applications*
- 2013 **Heinz** workshop about FOCOM-WP4, **Nijmegen, NL**
- 2012 **Studium Generale**, **Wageningen, NL**
- Title: *Mindfulness and the brain*
- 2011 **Symposium**: Cerebral compensation in neurological disease, **Nijmegen, NL**
- Title: *Compensation by motivation: how anticipating reward reduces cognitive rigidity in Parkinson's disease.*
- 2010 **Society for Neuroscience** meeting (nanosymposium), **San Diego, USA**
- Title: *Striatal dopamine mediates the interface between motivational and cognitive control in humans: Evidence from Parkinson's disease.*
- 2010 **Leiden University, NL**
- Course: Neuromodulation of Cognition
- Title: *Dopamine and cognitive control: evidence from ADHD and Parkinson's disease*
- 2009 **Endo Neuro Psycho meeting** (symposium), **Doorwerth, NL**
- Title: *Parsing the role of dopamine in human reward and its cognitive consequences using genetic imaging*
- 2008 D'Esposito lab, **University of California, Berkeley, USA**
- Title: *Cue-based adjustments in cognitive control*
- 2007 ACACia / Ridderinkhof lab, **University of Amsterdam, NL**
- Title: *Cue-based adjustments in cognitive control*

## Reviewing

### Editorial boards

- 2017 - : Editorial Advisory Board for **Journal of Cognitive Enhancement** (Springer-Nature)
- 2014 - : Review Editorial Board for **Frontiers in Nutrition and Brain Health** (specialty section of Frontiers in Neuroscience and Nutrition)

### Ad hoc

- Journals (in alphabetic order):



- Appetite
- Archives of General Psychiatry
- Autism Research
- Biological Psychiatry
- Brain
- Brain Imaging and Behavior
- Cerebral Cortex
- Cognitive, Affective, and Behavioral Neuroscience
- European Journal of Neuroscience
- Frontiers in Cognition
- Frontiers in Human Neuroscience
- Human Brain Mapping
- JAMA Psychiatry
- JEP-LMC
- Journal of Cognitive Neuroscience
- Journal of Neuropsychology
- Journal of Neuroscience
- Journal of the International Neuropsychological Society
- Learning and Behavior
- NeuroImage
- Neuropsychologia
- Neuropsychology
- Nutrition Research
- PLoS One
- Psychiatry Research: Neuroimaging
- Psychological Medicine
- Psychopharmacology
- Social, Cognitive, and Affective Neuroscience
- Grant organizations:
  - The Netherlands Organisation for Scientific Research (NWO)
  - Medical Research Council (MRC), UK
  - Austrian Science Fund (FWF)
  - Flanders Scientific Research Fund (FWO), Belgium
- Conference proceedings:
  - RAD (Radiation and Applications in Various Fields of Research)

### Other professional experience

- 2017 – Scientific integrity advisor, Donders Centre for Cognitive Neuroimaging
- 2017 – Scientific Advisory Board of project (@WUR): Biomarker Research in ADHD: the Impact of Nutrition (BRAIN)
- 2012 – 2014 Member of programme committee Endo-Neuro-Psycho meeting
- 2007 – 2008 Organizing: Donders Discussions; PhD students meet (Oct. 2008)
- 2007 - 2008 Organizing: The Attentive Speaker workshop (May 2008)
- 2007 PhD student representative
- 2005 – 2007 Member of Works Council ('onderdeelcommissie') F.C. Donders Centre

## Courses

- 2015-2016 Radboud mentoring programme for female scientists (incl. workshops: stratego, negotiating, personal branding, time management)
- 2014 Supervision of PhD students (e.g. situational leadership, communication, supervision of planning, feedback, counseling, interviewing), by Hertz
- 2014 Good Clinical Practice (The Netherlands), exam date: April 11, 2014
- 2010 NIH training course 'Protecting human research participants' (US)
- 2010 CITI basic course for Biomedical Research Investigators and Key Personnel (US)
- 2005 Academic writing (NICI, RU Nijmegen)
- 2005 Toolkit of Cognitive Neuroscience: advanced course in fMRI data analysis (FCDC, RU Nijmegen)
- 2005 Toolkit of Cognitive Neuroscience (FCDC, RU Nijmegen)
- 2005 Teaching course (IOWO, RU Nijmegen)

## Conference proceedings (first author)

- 2015 **Society for Neuroscience meeting**  
Chicago, USA  
Poster: *Gut microbiome in ADHD and its relation to brain function*
- 2012 **Invitational Symposium on Mindfulness Research**  
Utrecht, The Netherlands  
Slides: *Breaking the habit – The neural correlates of mindful eating*
- 2010 **Society for Neuroscience meeting**  
San Diego, USA  
Slides: *Striatal dopamine mediates the interface between motivational and cognitive control in humans: Evidence from Parkinson's disease*
- 2010 **FENS forum of European Neuroscience**  
Amsterdam, The Netherlands  
Poster: *Striatal dopamine mediates the interface between motivational and cognitive control in humans: Evidence from Parkinson's disease*
- 2010 **Motivational & Cognitive Control workshop**  
Oxford, UK  
Poster: *Striatal dopamine mediates the interface between motivational and cognitive control in humans: Evidence from Parkinson's disease*
- 2009 **Human Brain Mapping meeting**  
San Francisco, USA  
Slides + Poster: *Parsing the role of dopamine in human reward and its cognitive consequences using genetic imaging*
- 2009 **Endo Neuro Psycho meeting**  
Doorwerth, The Netherlands  
Slides: *Parsing the role of dopamine in human reward and its cognitive consequences using genetic imaging*
- 2008 **Donders Discussions**  
Nijmegen, The Netherlands  
Slides: *Role of the anterior cingulate cortex in cue-based adjustments in control*
- 2008 **The Attentive Speaker: Neuroimaging, Eyetracking, Genetics, Deficits, and Modeling**  
Nijmegen, The Netherlands

- Poster: *Adjustments in attentional control by congruent information in anterior cingulate cortex*
- 2008 **Cognitive Neuroscience Society meeting**  
San Francisco, USA  
Poster: *Adjustments in attentional control by congruent information in anterior cingulate cortex*
- 2007 **Dutch Psychonomics Society (NVP) winter conference**  
Egmond aan Zee, The Netherlands  
Slides: *Adjustments in attentional control by congruent information in anterior cingulate cortex*
- 2007 **Cognitive Neuroscience Society meeting**  
New York, USA  
Poster: *Symbolically driven preparatory adjustments in cognitive control by anterior cingulate cortex*
- 2007 **Endo Neuro Pyscho meeting**  
Doorwerth, The Netherlands  
Poster: *Symbolically driven preparatory adjustments in cognitive control by anterior cingulate cortex*
- 2006 **Medial Frontal Cortex workshop: Errors, Conflicts, and Rewards**  
Amsterdam, the Netherlands  
Poster: *Role of medial frontal cortex in endogenous and exogenous control in task switching*
- 2006 **Cognitive Neuroscience Society meeting**  
San Francisco, USA  
Poster: *Neural correlates of endogenous and exogenous control in task switching*
- 2005 **Dutch Psychonomics Society (NVP) winter conference**  
Egmond aan Zee, the Netherlands  
Slides: *Response and task conflicts in medial and lateral prefrontal areas*
- 2005 **European Society for Cognitive Psychology conference**  
Leiden, the Netherlands  
Poster: *The reverse Stroop effect in switching between color naming and word reading*

## Member

- Dutch Neurofederation
- Society for Neuroscience