

# CURRICULUM VITAE

Rosanne Lynn Rademaker  
rosanne.rademaker@maastrichtuniversity.nl

## Education

2012-present	Visiting Graduate student at the Visual Computation lab (Jehee, J.) Donders Institute for Brain, Cognition and Behavior, Nijmegen, The Netherlands
2010-present	PhD in Cognitive Neuroscience (supervisors: A.Sack & P.d.Weerd) Cognitive Neuroscience department, Maastricht University, The Netherlands
2009-2010	Visiting Scholar Perception and Neuroscience at the Tong Lab Vanderbilt University, Nashville TN, U.S.A.
2008-2009	Research Internship in Perception and Neuroscience at the Tong Lab Vanderbilt University, Nashville TN, U.S.A. Thesis (Tong, F.): <i>Picture perfect: The training of visual imagery.</i>
2007-2009	Research Master in Neuropsychology (honors) Faculty of Psychology & Neuroscience, Maastricht University, The Netherlands
2002-2006	Bachelor of Science in Psychology Faculty of Behavioural and Social Sciences, University of Groningen, The Netherlands Thesis (Brookhuis, K.A.): <i>Travel information: quick, safe and innovative.</i>
1995-2001	VWO diploma (university preparatory highschool) Scholengemeenschap 'De Hogeberg', Texel, The Netherlands

## Relevant training & experience

2012-present	Reviewer for ' <i>Proceedings of the Master's programme Cognitive Neuroscience</i> ', organized by the Radboud University Nijmegen (editor: Jeffrey Martin).
2012-present	Certified User TMS systems, Maastricht University Authorised user of the TMS facilities, allows running experiments safely and independently
2011-present	Certified User MR systems, Maastricht University Authorised user of fMRI scanner facilities, allows running experiments safely and independently
2011	Problem Based Learning (PBL) training, 2 sessions for tutors at Maastricht University
2007-2010	Writer & photographer for the magazines 'Code Maastricht' (Dutch) and 'Crossroads' (English) Articles have included a series of profiles of expatriates in academia
2008	Research Assistant at the Faculty of Psychology & Neuroscience, Maastricht University Preparation and analysis of fMRI data

## Relevant volunteering experience

2012	Lab tour of TMS facilities for graduate-level course "From Human Neuroanatomy to Psychopathology"
2011-2012	Series of demo-sessions about "the Positive Afterimage" at the Continium Science Museum, Kerkrade, the Netherlands
2011	Lab tour of TMS and fMRI facilities for dean & students of University College Maastricht (UCM)
2008 & 2009	Brain Blast at the Adventure Science Centre in Nashville Yearly event organized to familiarize kids, and the general community, with brain and science
2008	Host at the Fulbright gateway orientation held at Vanderbilt University, Nashville Meeting with $\pm$ 30 Fulbright grant-recipients from around the world during their 3-day orientation
2007-2008	Track representative for the Research Master program at Maastricht University Monthly meetings on behalf of the two-year Neuropsychology Master program

## Teaching & Lectures

2012	Tutor for (research) MSc course "Interdisciplinary Research". Supervision of interdisciplinary study groups throughout the development, writing and presentation of a research proposal.
2012	Lecture (20 min.) during the 1 <sup>st</sup> year BSc course "Psychological Perspectives", subsection about "Future Research". Psychology and Neuroscience department, Maastricht, the Netherlands

2012	Member of the course planning committee for the 3 <sup>rd</sup> year BSc course “Theoretical perspectives” at Maastricht University. Tasks involved organizing (and creating) the final exam, organizing exam grading and exam inspection, writing a compensatory assignment, etc.
2012	Lecture (1 hr) about Cognitive Neuroscience and visual working memory at the “Night of the brain” organized by Studium Generale. Maastricht, the Netherlands.
2012	Lecture (20 min.) about a future in research during the “Master your future day”, organized by the Dutch national organization of psychology students SPS-NIP (who aim to put future psychologist in touch with their profession). Maastricht, the Netherlands
2012	Bachelor thesis advisee of Ilona Bloem, Bachelor’s student, Maastricht University Thesis title: “Mental imagery and eye-movements”
2011-2012	Series of lectures for a general audience (in Dutch) about brain research & Visual Neuroscience at the Continium Science Museum, Kerkrade, The Netherlands
2011-2012	Tutor for the “Research practical”, Psychology Department, Maastricht University Intensive 3 month course; small groups of 2 <sup>nd</sup> year students design, conduct, and analyze a fully comprehensive research study, concluded by a paper and talk/poster at a symposium
2010-2012	Tutor for the 3 <sup>rd</sup> year course “Theoretical perspectives”, Maastricht University Biological Neuroscience course (Problem Based Learning format) on topics such as pain perception, consciousness, object based attention, multisensory processing, etc.
2010-2011	Yearly one-hour talks for Arts&Culture students at Maastricht University “A glimpse at Cognitive Neuroscience” including discussions about the relevance of exact sciences in modern society
2007	Teaching at a senior secondary school in Ghana for the non-profit organisation OCEP Remedial classes in genetics and statistics
2007	Teaching Assistant at the Medical Sciences Department, University of Groningen Second year med-school course in communication and conversational techniques
2005-2006	Teaching Assistant at the Department of Psychology, University of Groningen First year psychology course in research and interview techniques

## Awards

2012	Marble ++ grant for continued research after 3rd year BSc thesis project. First author: Ilona M. Bloem, last author: Rosanne L. Rademaker
2009	Women’s travel award, Berlin school of Mind and Brain

## Publications

**Rademaker R.L.**, Wu D-A, Bloem, I.M. & Sack, A.T. (under review). Intensive tool-practice and skillfulness facilitate the extension of the human body schema beyond first order limitations.

**Rademaker, R.L.**, Tredway, C., & Tong, F (2012). Introspective judgments predict the precision and likelihood of successful maintenance of visual working memory. *Journal of vision* 12(13) article 21: 1-13

**Rademaker, R.L.** & Pearson, J., (2012). Training visual imagery: Improvements of metacognition, but not imagery strength. *Frontiers in Perception Science* 3(224): 1-11

Tong, F., **Rademaker, R.L.**, & Cohen, E. H. (2012). Working memory for complex objects revealed by fMRI decoding of human visual cortex activity. Abstract: *Journal of Vision* 12(9): 1271

Pearson, J., **Rademaker, R.L.** & Tong, F (2011). Evaluating the mind’s eye: The metacognition of visual imagery. *Psychological Science* 22: 1535-1542

**Rademaker, R.L.** & Tong, F (2010). An investigation of the precision and capacity of human visual working memory. Abstract: *Journal of Vision* 10(7): 726

Brookhuis, K.A., Dicke, M., **Rademaker, R.L.**, Grunnekemeijer, S.R.F., van Duijn, J.N.J Klein Nijenhuis, M., Benedictus, N.A., & Eser, E. (2008). Human Machine Interface: The effects of travel information presentation on driver behaviour. In D. de Waard, F. Flemisch, B. Lorenz, H.Oberheid, & K.A. Brookhuis (Eds.), *Human Factors for assistance and automation*, Maastricht, the Netherlands: Shaker Publishing. ISBN 978-90-423-0350-8.

## Conference presentations & talks

Hubrach, L., Jochem, R., Nap, K., Tonings, E., van de Sande, S., van Tetering, M., & **Rademaker, R.L.** (2012, June). The effect of TMS on fading in the afterimage. *Talk*. Annual Psychology Student Research Meeting Maastricht, Maastricht University, The Netherlands.

**Rademaker, R.L.**, Tredway, C., & Tong, F. (2011, October). Introspective judgments predict working memory precision, and likelihood of forgetting. *Poster*. Donders Discussions, Donders Institute for Brain, Cognition and Behavior, Nijmegen, the Netherlands.

**Rademaker, R.L.**, Wu, D.A., Bloem, I.M., & Sack, A. (2011, October). Lifetime-built motor fluency and training enable an extended sense of the body beyond classical first-order extensions in humans. *Poster*. Donders Discussions, Donders Institute for Brain, Cognition and Behavior, Nijmegen, the Netherlands.

Bessems, F.P.M., Birrane, J.P., Coumans, J.M.J., Gierholtz, A., Jaros, D., Kahrmann, J., McInerney, K., Satijn, J., Tonen, L.A.A., & **Rademaker, R.L.** (2011, July). The effect of sensory congruence on the experience of the positive afterimage. *Talk*. Annual Psychology Student Research Meeting Maastricht, Maastricht University, The Netherlands.

Bloem, I.M., Driessen, M.H., Gerlach, A., van Heel, A., Hemmers, L., Tibud, A., Wellen, F.A.M., & **Rademaker, R.L.** (2011, July). Second-order object integration into the body schema. *Poster*. Annual Psychology Student Research Meeting Maastricht, Maastricht University, The Netherlands.

**Rademaker, R.L.** (2010, November). Low-level properties of visual working memory. *Talk*. M-Bic Graduate School Grand Opening, UM Campus, Brussels, Belgium.

**Rademaker, R.L.** & Tong, F. (2010, March). Picture perfect; the training of visual imagery. *Poster*. 24<sup>th</sup> Annual Graduate Student Research Symposium, Vanderbilt University, Nashville TN, U.S.A.

**Rademaker R.L.** (2010, February). An investigation of the precision and capacity of human visual working memory. *Talk*. The weekly Cognition and Cognitive Neuroscience brown bag talks, Peabody campus, Vanderbilt University, Nashville TN, U.S.A.

**Rademaker, R.L.**, Pearson, J., & Tong, F. (2009, December). Picture perfect; the training of visual imagery. *Poster*. Berlin Brain days. Berlin, Germany.

## Media coverage of research

*Science Daily*, June 06, 2011. Imagination Can Influence Perception

*Times of India*, June 17, 2011. Mental imagery influences our perception

*USA Today*, *Vanderbilt University topics page*, June 16, 2011. Imagination can influence perception

## Other skills and activities

**Languages** Dutch (fluent), English (fluent), German (conversational), French (basic)

**Computer Software and Programming skills** Facility using MS office (Word, Excel, PowerPoint). Proficient with Adobe Illustrator, SPSS, Brainvoyager, and Matlab (including the Psychophysics Toolbox). Experience with E-prime, Stata, and retinotopic mapping

**Orietantion discrimination threshold** of less than 1° for gratings oriented around 135° in the left visual hemifield

**Society for Neuroscience Annual Meeting** Attended November 2008, Washington D.C., U.S.A.

**Vision Sciences Society Annual Meeting** Attended May 2009 & May 2012, Naples FL, U.S.A.

**Donders Discussions** Attended October 2012, Nijmegen, the Netherlands

**Brain stimulation and brain repair mechanisms** International symposium on behavioral and clinical effects of rTMS. Attended September 2010, Greifswald, Germany

**Tong lab standardized house-stimuli** Contribution to the photography and selection of Tong lab standardized house stimuli (Cohen door-normalization procedure), used in many of the lab's experiments

## Professional memberships

Society for Neuroscience

Vision Sciences Society