

# C U R R I C U L U M V I T A E

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## P E R S O N A L I A

Name: Renée Marie Visser  
Address: Hunzestraat 95-I, 1079 VW Amsterdam  
Phone: +31 6 165 41 887  
E-mail: renee.m.visser@gmail.com  
Date of birth: 21<sup>st</sup> of October 1984, Amsterdam

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## E D U C A T I O N

**2010- present**

**Doctoral degree, PhD, Psychology**

University of Amsterdam (UvA)

"Neural markers for the formation of fear memory"

Expected date of graduation: March 2015

Advisor: Prof. Merel Kindt. Co-advisor: H. Steven Scholte, PhD.

Member of the "Dutch-Flemish postgraduate school for research and education in Experimental Psychopathology" (EPP)

Member of the Amsterdam Brain and Cognition (ABC) research program.

**2007- 2010**

**Master degree, MSc, Psychology** (research)

University of Amsterdam (UvA)

With an emphasis on cognitive neuroscience

Date of graduation: January 31, 2010

Passed *cum laude*

Feb. 2009- Sep. 2009

Research internship, University of California at Berkeley under supervision of Prof. Mark D'Esposito and Emi Nomura, PhD: "Altered resting state functional connectivity following focal brain lesions: support for the dual network hypothesis of top-down control."

Grade: 10 (scale 1-10)

Feb. 2008- Sep. 2008

Research internship at the Amsterdam Center for Adaptive Control in brain and behavior (ACACia) under supervision of Prof. K. Richard Ridderinkhof and Helga Harsay, PhD: "Towards markers for individual differences in age-related cognitive decline: a combined eye-tracking-fMRI study."

Grade: 8.5 (scale 1-10)

**2006- 2009**

**Master degree, MSc, Clinical Neuropsychology** (clinical)

University of Amsterdam (UvA)

Date of graduation: January 31, 2009.

Passed *cum laude*

Jan. 2007- June 2007

Clinical internship in neuropsychological assessment at the Academic Medical Centre (AMC) in Amsterdam, department of Neurology, under supervision of Prof. Ben A. Schmand, and Harriet M.M. Smeding, PhD. Grade: 9 (scale 1-10)

**2002- 2005****Bachelor degree, BSc, Clinical Neuropsychology**

University of Amsterdam (UvA)

Passed *with merit*

Bachelor thesis 2005

"The role of the neurotransmitters oxytocin and vasopressin in the social deficits in autism spectrum disorders."

Grade: 8 (scale 1-10) Mentor: Prof. Hilde M. Geurts

Extracurricular subjects:  
26 ECTs

(1 ECT = 28 hours)

Neuropsychiatry for psychologists

Psychological test construction

Psychopharmacology

History from the Big Bang to present time

**1996- 2002**

Subjects:

High school, highest level, Murmelliusgymnasium, Alkmaar.

Mathematics, Biology, Philosophy, Latin, English,  
Dutch, French, and History

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**W O R K   E X P E R I E N C E   A N D   I N T E R E S T S**

September 2013

Mentor in undergraduate course 'Clinical psychology'.

June 2012

Mentor during a two-week summer school on Emotional Memory, organized by the Cognitive Science Center Amsterdam (CSCA).

Coaching research master students in scientific discussions and debates, supervising and grading research proposals and posters.

Sept. 2011 - 2013

Organizing lab meetings and a three-day Clinical Psychology research retreat aimed at discussing research designs and results.

March 2010 – present

Supervising bachelor theses and master theses.

Sept. 2010 – present

Emergency Response Officer, Department of Psychology &amp; Spinoza centre for neuroimaging, University of Amsterdam

May 2008- Feb. 2009

fMRI-assistant at the UvA and AMC. Operating 3T-scanner for research purposes and assisting in ongoing neuroimaging research, including neuropsychological assessments.

&amp; Sept. 2009- Feb. 2010

Sept. 2007- Feb. 2008

Teaching assistant. Undergraduate course 'Neuropsychological assessment'.

Sept. 2006- Dec. 2006

Research assistant in a fMRI-study on the effects of social motivation on error awareness in a Flanker task, supervised by Prof. Hilde M. Geurts.

Dec. 2005- Aug. 2006

Traveling in Argentina, Uruguay, Chile, Bolivia, Peru, Ecuador, Colombia.

Sept. 2005- Nov. 2005

Interviewing children in the age of 5-11 to evaluate the effects of an educational program designed to optimize social development.

Trimbosinstituut in Utrecht in cooperation with the Vrije Universiteit of Amsterdam (VU).

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## P U B L I C A T I O N S

**Visser, R.M.**, Kunze, A.E., Westhoff, B., Scholte, H.S., & Kindt, M. (accepted). Representational similarity analysis offers a preview of the noradrenergic modulation of long-term fear memory at the time of encoding. *Psychoneuroendocrinology*.

**Visser, R.M.**, Scholte, H.S., Beemsterboer, T. & Kindt, M. (2013). Neural pattern similarity predicts long-term fear memory. *Nature Neuroscience*, 16(40), 388-390.

Van Well, S., **Visser, R.M.**, Scholte, H.S., Kindt, M. (2012). Neural substrates of individual differences in human fear learning: evidence from concurrent fMRI, fear-potentiated startle, and US-expectancy data. *Cognitive, Affective & Behavioral Neuroscience*, 12(3), 499-512.

**Visser, R.M.**, Scholte, H.S., & Kindt, M. (2011). Associative learning increases trial-by-trial similarity of BOLD-MRI patterns. *The Journal of Neuroscience*, 31(33), 12021-12028.

Nomura, E., Gratton, C., **Visser, R. M.**, Kayser, A., Perez, F. & D'Esposito, M. (2010). Double dissociation of two cognitive control networks in patients with focal brain lesions. *Proceedings of the National Academy of Sciences of the United States of America*, 107 (26), 12017-12022.

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## P R E S E N T A T I O N S   &   A W A R D S

### *Oral presentations*

May 22, 2014: Annual Dutch Endo-Neuro-Psycho meeting, Lunteren, The Netherlands (invited talk).

October 2, 2013: Pre-conference workshop on combining fMRI with other physiological measures, Annual Meeting of the Society for Psychophysiological Research, Florence, Italy.

June 20, 2013: Annual Meeting of the Organization for Human Brain Mapping, Seattle, USA.

November 12, 2012: ESF-FENS conference 'The Neurobiology of Emotion', Stresa, Italy.

October 30, 2011: Amsterdam Memory Slam, Amsterdam, The Netherlands.

### *Poster presentations*

**Visser, R. M.**, Scholte, H. S., Beemsterboer, T. & Kindt, M. (2013). Neural pattern similarity predicts long-term fear memory. Presented at the Annual Meeting of the Organization for Human Brain Mapping, June 16-20, Seattle, USA.

**Visser, R. M.**, Scholte, H. S. & Kindt, M. (2011). Associative learning increases trial-by-trial similarity of BOLD-MRI patterns. Presented at the Annual Meeting of the Organization for Human Brain Mapping, June 26-30, Quebec, Canada.

### *Awards*

2013	Travel award (\$700) Organization for Human Brain Mapping
2009	STUNT grant (€850) and <i>Hersenstichting</i> grant (€1000) for master thesis at UC Berkeley
2008	Best poster (€200) at the Research Master's Graduate Conference, UvA

### *Lectures*

2015	Guest lecture during ABC Winterschool on pattern analysis and classification
2013	Lecture in seminar organized by Prof. Hakwan Lau, Columbia University, USA
2013	Guest lecture during Research Master course 'Psychophysiology of stress, anxiety and depression'
2013	Lecture in seminar in honour of visit Prof. Chris Baker
2010, 2012	Lecture in seminar in honour of visit Prof. Marc Bouton
2011	Lecture in seminar in honour of visit Prof. Lynn Nadel
2010, 2011, 2012	Guest lectures during Research Master course 'Neuroimaging'
2014	

## **S K I L L S**

### *Research skills*

- Postulating hypotheses about emotional memory and designing experiments to test these.
- Programming and running experiments in **Presentation** (Neurobehavioral systems)
- Acquisition of (functional) Magnetic Resonance Imaging (**fMRI**), Diffusion Tensor Imaging (**DTI**) and Arterial Spin Labeling (**ASL**) data on Philips and Siemens 3T scanner
- Preprocessing and analysis of (f)MRI data with **FSL** (FMRIB Software Library)
- Acquisition of eye-movement and **pupil dilation** data using **Eyelink** software (SR research).
- Acquisition and analysis of Electromyogram (**EMG**) startle data and skin conductance response (**SCR**) using **VSRRP** (Technical Support Group of the Department of Psychology, UvA) and Matlab
- Programming and statistical analysis in **Matlab**, **SPSS** and **Microsoft Excel**
- Behavioral and neuropsychological testing: student populations, children, elderly and patients.
- Teaching, including supervision of bachelor theses and master theses.

### *Languages*

Dutch (native), English (fluent), Spanish (reasonable), French (reasonable), German (reasonable)