

## Curriculum Vitae

<b>Degree</b>	Dr./PhD./Assistant Professor	
<b>Surname</b>	Naber	
<b>Givenname</b>	Marnix	
<b>Birth</b>	1984	
<b>Birth place</b>	The Netherlands	
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## Education

<b>2020-now</b>	Senior qualification of teaching as a profession (Seniorkwalificatie onderzoek; SKO), Utrecht University
<b>2020-2021</b>	Course: Research leadership, Utrecht University
<b>2018-2019</b>	Course: Effective coordination and communication by professors, Utrecht University
<b>2013-2015</b>	Basic qualification of teaching as a profession (Beroepskwalificatie onderwijs; BKO), Leiden University
<b>2008-2012</b>	Neurophysics, Faculty of Physics, Philipps-University Marburg, Germany Graduate student (Dr, PhD) under the supervision of Wolfgang Einhäuser
<b>2006-2007</b>	Applied Cognitive Psychology, Utrecht University, The Netherlands Masters (M.Sc.) under the supervision of Frans Verstraten
<b>2003-2006</b>	Applied Cognitive Psychology, Utrecht University, The Netherlands Undergraduate (Bachelors, B.Sc.)
<b>1997-2003</b>	City Dalton College, Zutphen, The Netherlands Nature & Technology (High School)

## Current & Previous Positions

<b>2015-Now</b>	Experimental Psychology, Utrecht University, The Netherlands - Assistant Professor
<b>2018-2023</b>	Neurolytics B.V., Utrecht, The Netherlands – Co-founder / R&D Consultant
<b>2013-2015</b>	Cognitive Psychology Unit, Leiden University, The Netherlands - Assistant Professor
<b>2012-2013</b>	Vision Sciences Laboratory, Harvard University, USA - Post-doc
<b>2008-2012</b>	InQuire / SMS-Coach, The Netherlands – Founder / Full Stack Developer
<b>2007-2008</b>	Efocus-group / Medicore, The Netherlands - Functional Designer
<b>2007</b>	Vision Sciences Laboratory, Harvard University, USA - Internship

## Scholarships/Grants/Awards

<b>2023</b>	Stimuleringsfonds - Granted by Utrecht University (PhD equivalent to EUR300.000 <sup>§</sup> )
<b>2023</b>	Open Competitie XS grant – Granted by NWO Dutch Organization for Scientific Studies (EUR50.000*; Teuni ten Brink)
<b>2023</b>	UitZicht Full Grant – Granted by Oogfonds, Louise Rottinghuis, Janova stichting, and Ankie Hak, Rotterdamse Stichting Blindenbelangen (EUR230.000*; Giorgio Porro)
<b>2023</b>	UitZicht Pilot Grant – Granted by ANVVB & LSBS (EUR30.000 <sup>§</sup> )
<b>2022</b>	PhD position Grant – Granted by CSC (PhD*; Yuqing Cai)
<b>2022</b>	HAI Seed money – Granted by Utrecht University (EUR6.000 <sup>§</sup> )
<b>2021</b>	HAI Seed money – Granted by Utrecht University (EUR4.000 <sup>§</sup> )
<b>2021</b>	Neurolytics – Startup of the year in the Netherlands by MT Sprout
<b>2020</b>	Take-off Grant 2 – Granted by NWO (EUR250.000*; Neurolytics/Hein)
<b>2019</b>	Take-off Grant – Granted by NWO (EUR40.000 <sup>§</sup> )
<b>2019</b>	SMI Horizon 2020 Grant – Granted by ERC (EUR50.000*; Neurolytics/Hein)
<b>2019</b>	Grant by Rotterdamse Stichting Blindenbelangen (EUR60.000 <sup>§</sup> )
<b>2018</b>	Seed money – Granted by Utrecht University (EUR5.000 <sup>§</sup> )
<b>2017</b>	Uitzicht Full Grant - Granted by Rotterdamse Stichting Blindenbelangen, Janivo Stichting, ODAS stichting, and Dr. F.P. Fischer-Stichting (EUR300.000*; Giorgio Porro)

<b>2016</b>	Seed money – Granted by Neuroscience & Cognition Utrecht (EUR12.000 <sup>§</sup> )
<b>2013</b>	Conference Book Cover Design Award – Granted by Vision Sciences Society
<b>2012</b>	Poster competition winner, neuroscience category – Awarded by the Association for the Scientific Study of Consciousness (ASSC)
<b>2012</b>	PhD Summa Cum Laude Grade (with distinction) – Awarded by Philipps-University Marburg
<b>2011</b>	Rubicon Grant – Granted by NWO Dutch Organization for Scientific Studies (EUR54.561 <sup>§</sup> )
<b>2011</b>	Travel Award – Granted by Australian Neuroscience Society (AUD500 <sup>§</sup> )
<b>2007</b>	Travel Award – Granted by NWO-pioneer program(EUR1000 <sup>§</sup> )
<b>2007</b>	MSc. Cum Laude Grade (with honors) - Awarded by Utrecht University
	<sup>§</sup> main- or co-applicant, *contributor

### PhD Supervision

<b>2024-now</b>	Co-promotor Tessie Hamers – Movie-watching perimetry in hemianopia and neglect (UU Stimuleringsfonds)
<b>2022-now</b>	Co-promotor Yuqing Cai – Pupil size dynamics during complex visual stimulation (CSC grant)
<b>2021-now</b>	Co-promotor Damian Koevoet – Visual working memory and pupillometry (ERC Stefan vd Stigchel)
<b>2019-2024</b>	Co-promotor Brendan Portengen - Pupillograph perimetry for children with CVI (UitZicht)
<b>2018-2020</b>	Co-promotor Felix Hermsen - Physiological indicators of cognitive processes (Buitenpromovendus)
<b>2017-2020</b>	Co-promotor Yun Ding - Interaction between visual working memory & awareness (CSC grant)

### Teaching

<b>2015-now</b>	Coordinator and lecturer of several bachelor and master courses at Utrecht University Courses: cognitive neuroscience, fundamentals in neuroscience, introduction in cognitive neurosciences, psychology as a science, psychophysics in Matlab/Python, EEG analyses in Matlab, fMRI analyses in Matlab Direct supervisor of >20 Master Theses, >40 Bachelor Theses, >15 Internships. Many of these projects resulted in publications.
<b>2013-2015</b>	Coordinator and lecturer of several BSc. and MSc. courses at Leiden University and Leiden University College Courses: emotion & cognition, cognitive psychology

### Organization of Scientific Meetings

<b>2017, 2024</b>	Organizer of the Biannual Helmholtz Retreat in Schoorl, The Netherlands
<b>2008</b>	Voluntary Staff at European Conference on Visual Perception (ECVP)

### Institutional Responsibilities

<b>2018-now</b>	Council for As. Professors – Social Sciences Faculty, Utrecht University, Netherlands
<b>2018</b>	PhD committee member of Yang Wang – VUMC, Netherlands
<b>2017-now</b>	Organizer of internal seminars – perception meetings Utrecht University, Netherlands
<b>2017-now</b>	Organizer of intervision meetings for assistant professors – Utrecht University
<b>2014</b>	PhD committee member – University of Cape Town, South Africa

### Reviewing Activities

<b>2023</b>	Psychophysiology, Nature Communications, Cortex, Behavior Research Methods, Journal of Vision, Scientific Reports, Journal of Neurophysiology, Journal of Cognitive Neuroscience, Human Brain Mapping, Frontiers in Psychology, Attention Perception & Psychophysics
<b>2022</b>	UitZicht, Communications Biology, Consciousness and Cognition, eNeuro, International Journal of Social Robotics, Journal of Neural Engineering, Scientific Reports, Attention Perception & Psychophysics
<b>2021</b>	Frontiers in Psychology, PLoS ONE, Translational Vision Science & Technology, Scientific Reports, Journal of Vision, eNeuro, International journal of social robotics
<b>2020</b>	eNeuro, International journal of psychophysiology, Psychonomic Bulletin, Journal of Vision, Scientific Reports, Psychophysiology, Cognitive Affective Behavioral Neuroscience
<b>2019</b>	Acta Psychologica, Journal of Behavioral Robotics, Scientific Reports, Neuroscience
<b>2018</b>	Frontiers in Neurology, Behavior Research Methods, Biological Psychology, Physiology & Behavior, Scientific Reports
<b>2017</b>	Vision Research, PLoS ONE, Perception, NeuroImage, Journal of Cognition, Journal of Neurology and Experimental Neuroscience, Journal of Experimental Psychology, Computer Methods and Programs in Biomedicine, Cognition, Attention Perception & Psychophysics
<b>2016</b>	Scientific Reports, PNAS, PLoS ONE, Perception, Memory and Cognition, Journal of Neurology and Experimental Neuroscience
<b>2015</b>	Vision Research, Physiology and behaviour, iPerception, Attention Perception & Psychophysics

### Scientific Memberships

<b>2009-Now</b>	Member of Dutch Psychonomics Society (Brain & Cognition; NVP)
<b>2009-Now</b>	Member of Vision Sciences Society
<b>2007-Now</b>	Member of European Conference on Vision and Perception
<b>2015-Now</b>	Member of Helmholtz Institute, The Netherlands
<b>2013-2015</b>	Member of Leiden Institute of Brain Sciences (LIBC), The Netherlands

### Collaborators

<b>Local</b>	Prof. Stefan Van der Stigchel, Dr. Nathan Van der Stoep, Prof. Maarten Van der Smagt, Prof. Daan Scheepers, Prof. Chris Dijkerman, Dr. Chris Paffen, Dr. Teuni ten Brink, Dr. Christoph Strauch, Dr. Samson Chota, Dr. Sjoerd Stuit
<b>National</b>	Prof. Frans Cornelissen, UMCG; Dr. Giorgio Porro, UMCU; Dr. Sebastiaan Mathot, UG; Prof. Mies van Genderen, Bartimeus/UMCU; Dr. Douwe Bergsma, Donders Institute; Dr. Adriana Zekveld, AMC
<b>International</b>	Prof. Ken Nakayama, Berkeley/Harvard; Prof. George Alvarez, Harvard; Prof. Wolfgang Einhaeuser, U-Chemnitz; Prof. Olivia Carter, U-Melbourne. Dr. Peter Murphy, U-Hamburg; Dr. Daniele Di Lerna, UCSC; Dr. Mitchel Kappen, U-Leuven; and many more

### Skills

<b>Software</b>	Development (Python / Matlab / PHP / HTML / CSS / Javascript / MySQL / GitLab / Github), Statistics (JASP/R/Python), Microsoft (office), Vector graphics design (Adobe/Inkscape)
<b>High School</b>	Physics, Mathematics, Chemistry, Biology, Sociology, General Nature Sciences, Dutch, English, German, French, Latin, Greek
<b>Languages</b>	Dutch (Native), English (fluent), German (good)
<b>Interests</b>	Soccer, skiing, hiking, producing digital music

### Publication Highlights

For all publications, see:

[https://scholar.google.com/citations?hl=en&user=Q4HBMeoAAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.com/citations?hl=en&user=Q4HBMeoAAAAJ&view_op=list_works&sortby=pubdate)

Strauch, C., Wang, C. A., Einhäuser, W., Van der Stigchel, S., & Naber, M. (2022). Pupillometry as an integrated readout of distinct attentional networks. *Trends in Neurosciences*.

Van der Kooij, K., & Naber, M. (2019). An open-source remote heart rate imaging method with practical apparatus and algorithms. *Behavior Research Methods*

Naber, M., et al. (2018). Gaze-contingent flicker pupil perimetry detects scotomas in patients with cerebral visual impairments or glaucoma. *Frontiers in Neurology*

Frässle, S., Sommer, J., Hansen, A., Naber, M., Einhäuser, W. (2014). Binocular Rivalry: Frontal activity relates to introspection and action, but not to perception. *Journal of Neuroscience*

Naber, M., Alvarez, G.A., Nakayama, K. (2013). Tracking the allocation of attention using human pupillary oscillations. *Frontiers in Psychology*

Naber, M., Vaziri Pashkam, M., Nakayama, K. (2013). Unintended imitation affects success in a competitive game. *PNAS*

Naber, M., Frässle, S., Einhäuser, W. (2011). Perceptual Rivalry: Reflexes reveal the gradual nature of visual awareness. *PLoS ONE*

## Referees

<b>Dr. Giorgio Porro</b>	Current collaborator, University Medical Center Utrecht, Ophthalmology, <a href="mailto:g.porro@umcutrecht.nl">g.porro@umcutrecht.nl</a> , +06 19578414
<b>Prof. Ken Nakayama</b>	Post-doc Supervisor, Harvard University, Faculty of Arts, Vision Sciences Lab <a href="mailto:ken@wjh.harvard.edu">ken@wjh.harvard.edu</a> , +1 617 495 3843
<b>Prof. Wolfgang Einhäuser</b>	PhD Supervisor, Technical University of Chemnitz, Physics <a href="mailto:wolfgang.einhaeuser-treyer@physik.tu-chemnitz.de">wolfgang.einhaeuser-treyer@physik.tu-chemnitz.de</a> , +49 371 531-21660
<b>Prof. Olivia Carter</b>	Collaborator, University of Melbourne, Department of Psychology <a href="mailto:ocarter@unimelb.edu.au">ocarter@unimelb.edu.au</a> , +61 (0)3 83446372