

Curriculum vitae - Anouk Marsman

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Professional experience

2019-present Research Fellow

2015-2018 Postdoctoral Researcher

Danish Research Centre for Magnetic Resonance (DRCMR), Copenhagen University Hospital Hvidovre (Denmark)

Maternity leave: November 14, 2016 – March 3, 2017

I co-started the Ultra-High Field Group and established magnetic resonance spectroscopy (MRS) at DRCMR. I am the main lead for MRS at DRCMR and coordinate research for the Danish National 7 Tesla MR Project. My own research focuses on healthy ageing, lifestyle diseases, and psychotic disorders, as well as development of novel methodologies. I collaborate at a local, national and international level on various project within the biomedical sciences.

- Supervision of BSc, MSc and PhD students.
- Teacher of MSc and postgraduate courses.
- Study initiation manager and Research Coordination Group manager.

Collaborations and exchange:

- Prof. Lene Juel Rasmussen, Assoc. prof. Claus Desler, Centre for Healthy Ageing, University of Copenhagen.
- Prof. Christos Pantelis, Melbourne Neuropsychiatry Centre, University of Melbourne, and University of Copenhagen Psychiatric Centre Glostrup.
- Prof. Ulrik Pedersen-Bjergaard, Dept. Clinical Medicine, Copenhagen University Hospital Nordsjælland.
- MD, PhD Kirstine Nyvold Bojsen-Møller, Dept. Endocrinology, Copenhagen University Hospital Hvidovre.
- Dr. Koen Cuypers, Movement Control & Neuroplasticity Research Group, Dept. Movement Sciences, University of Leuven, and REVAL Research Institute, Hasselt University (Belgium).
- Dept. Neurology, Copenhagen University Hospital Glostrup.
- Dept. Nephrology, Copenhagen University Hospital Rigshospitalet.
- Dept. Infectious Diseases, Copenhagen University Hospital Hvidovre.
- The Swedish 7T Facility, Lund University Bioimaging Centre.

2013-2015 Postdoctoral Research Fellow

Dept. Radiology and Radiological Science, Johns Hopkins University School of Medicine (USA)

I was responsible for MR spectroscopy in studies on schizophrenia, first-episode psychosis and brain tumours and had a key role in institutional and national collaborations. I worked with Prof. Peter B. Barker and collaborated closely with Prof. Akira Sawa at the Dept. Psychiatry. In collaboration with Prof. Andrew Maudsley, Dept. Radiology, University of Miami, I worked on MR spectroscopic imaging.

- Trainee member (elected), Psychiatric MR Imaging and Spectroscopy Study Group Governing Committee, International Society for Magnetic Resonance in Medicine (ISMRM).
- International Committee, Johns Hopkins Postdoctoral Association.

2008-2013 PhD Student

Dept. Psychiatry, University Medical Center Utrecht (The Netherlands)

I initiated and successfully conducted the first ultra-high field MRS study in schizophrenia in close collaboration with the Dept. Radiology. I gained extensive experience in MR methods development, data acquisition and processing, as well as neuropsychological testing and statistics. I planned and managed ethics applications, recruitment, experiments and dissemination.

- Supervision of BSc and MSc students.
 - Teacher of MSc and postgraduate courses.
 - 'Consultant for Neurophyxia, a company developing a novel injectable pharmaceutical product to treat birth asphyxia.
 - Organising Committee social programme Federation of European Neuroscience Societies (FENS) Forum in Amsterdam.
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Education

2008-2013 Doctor (PhD) Neuroscience

Utrecht University (The Netherlands)

- Glutamate and GABA in schizophrenia; October 24, 2013.

2001-2008 Doctorandus (MSc) Biology

University of Groningen (The Netherlands)

- Graduated cum laude (average grade of ≥ 8.1 on a 1-10 absolute scale, no grades below 7.5 and one 9.0 at minimum for a research project); August 29, 2008.
 - Research projects (>6 months): University of Groningen, University of Pennsylvania (USA), Newcastle University (UK).
 - Extracurricular courses in psychology and philosophy.
 - Student representative in various educational boards.
 - Teaching assistant for various courses.
 - Active in the Biology students' association.
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Research supervision

Current 1 PhD student

Completed 1 PhD student, 5 MSc students, 2 BSc students

Research management

2017-present Study initiation manager, DRCMR: administration of all studies conducted at DRCMR, scientific quality control, ensuring ethics applications.

2017-present Research Coordination Group manager, DRCMR: daily research management

2016-present Responsible for MRS studies, DRCMR: ethics applications, data management.

2013-2015 Steering committee First-Episode Psychosis project, Johns Hopkins University School of Medicine.
2008-2013 Own PhD project: ethics applications, subject recruitment, data management.

Ongoing research support

2020-present Lundbeck Foundation Ascending Investigator Grant, PI: Bjørn H. Emdrup
2018-present Novo Nordisk STENO Collaborative Grant, PI: Prof. Ulrik Pedersen-Bjergaard

Editorial boards

2016-2018 Guest associate editor Frontiers in Psychiatry, Research Topic “MR Spectroscopy in Neuropsychiatry”

Peer-review activity

2020 NeuroImage: Clinical (2), Clinical Neurophysiology, European Psychiatry
2019 NeuroImage (4), Biological Psychiatry, Translational Psychiatry
2018 Biological Psychiatry (2), Frontiers in Human Neuroscience, Clinical Neurophysiology
2017 The Lancet Psychiatry, Schizophrenia Bulletin
2016 Biological Psychiatry (2), JAMA Psychiatry
2015 JAMA Psychiatry, Scientific Reports, npj Schizophrenia, Translational Psychiatry, Journal of Magnetic Resonance Imaging
2014 Schizophrenia Bulletin
2013 Frontiers in Psychiatry
2012 Schizophrenia Bulletin, Psychiatry Research

Academic awards and honours

2014, 2015, 2017 Trainee Stipend (ISMRM; can be awarded max. 3 times)
2014 2 Magna Cum Laude Merit Awards (ISMRM)
2008 Travel Award (ISMRM)
2007 Erasmus Scholarship
2005-2006 Research Fellow Stipend, University of Pennsylvania
2005 Travel Grant, Groningen University Fund
2005 Marco Polo Scholarship, University of Groningen

Languages

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| Dutch | native language |
| English | fluent in speaking, reading and writing |
| Danish | proficient in speaking, reading and writing (PD3 certificate) |
| German | intermediate in speaking and reading, basic communication skills in writing |
| French | basic communication skills |
| Spanish | basic communication skills |
