Curriculum Vitae

Mads Alexander Just Madsen

Personal information

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Education

03.11.2021	PhD. *Danish Research Centre for Magnetic Resonance (DRCMR), Copenhagen University Hospital Amager & Hvidovre, University of Copenhagen*
09.10.2015	M.Sc. in Human Physiology, *University of Copenhagen*
2014	Exchange, *University of Sydney, Australia*
28.02.2013	B.Sc. in Physical Education, *University of Copenhagen*
2011	Exchange, *University of British Columbia, Vancouver, Canada*

Professional experience

July 2021 – present	Postdoc, *DRCMR, Copenhagen University hospital Amager & Hvidovre*
2017 – present	External lecturer, *Department of Nutrition, Sports and Exercise, University of Copenhagen*
February – June 2017	Research assistant, *DRCMR, Copenhagen University hospital Amager & Hvidovre*
2014 – 2017	Teaching assistant, *Department of Nutrition, Sports and Exercise, University of Copenhagen*
2015 – 2016	Research assistant, *Neural Control of Movement, University of Copenhagen*

Scientific activities

Organizational

2018, 2019, 2021	Co-organizer and teacher, DRCMR Non-invasive transcranial brain stimulation (NTBS) winter school
2018 – present	Research group coordinator, Neuroimaging in Multiple Sclerosis (DRCMR)
2016	Volunteer, Fens Forum of Neuroscience

Talks and conference contributions:

2021	Poster presentation, 4th International Brain Stimulation Conference
2021	Poster presentation, ECTRIMS (virtual)
2021	Chair, Copenhagen Brain Stimulation Virtual Workshop
2021	Winner, Young presenter contest, National MS-research meeting (DAREMUS)
2021	Invited talk, UBC MS connect educational session, UBC, Vancouver, Canada (virtual)
2021	Invited talk, Danish Research Center for Multiple Sclerosis
2019	Invited talk, DRCMR-Keio Rehab Brain Science Joint Symposium
2019	Invited talk, The Danish-Japanese symposium to push motor control research
2019	Poster presentation, ECTRIMS
2019	2 poster presentations, 3rd International Brain Stimulation Conference
2016	Poster presentation, FENS Forum of Neuroscience

Other activities

2014	Internship, *ACRF – The Garvan Institute of Medical Research, Sydney, Australia*
2012 – 2013	Volunteer research assistant, *Neural control of movement, University of Copenhagen*

Peer review

NeuroImage | NeuroImage: Clinical | Journal of Neurophysiology

Funding and awards

Scientific funding:

2020	Amager & Hvidovre Hospital, Strategic research funds (200.00 DKR, Main applicant)
2019	Gangstedfonden (250.000 DKR, Co-applicant)
2019	DFF, Forskningsprojekt 1, Sundhed og Sygdom (1.835.180 DKR, Co-applicant)
2016	Studiefonden for idræt (100.00 DKR, Main applicant)

Awards:

2021	Torben Fog & Erik Triers Fond (2022) (75.000 DKR)
2021	DAREMUS young presenter award (50.000 DKR)
2021	ECTRIMS abstract grant
2019	NeuroGrad Synergy Prize (Chair: Trevor Robins & Raymond Dolon)

Travel grants:

Nordea Fonden | Oticon fonden | PLAN-Danmark | Augustinus fonden | Dansk Tennis Fond | Knud Højgaards Fond | Lundbeck foundation.

Scientific focus areas

Ultra-high field MRI | Multiple Sclerosis | Sensorimotor integration | Motor control and learning | Human electrophysiology | Transcranial Magnetic Stimulation

Project management

I have as both a bachelor-, master- and PhD student been involved in the management of research projects. Already at an early stage I was involved in planning of both experimental design and the recruitment and logistics of participants. During my PhD project I was involved with all aspects of project management, ensuring approvals from relevant authorities, patient recruitment and planning and conducting experiments to handling and analyzing data and scientific dissemination.

International relations

Mitsuaki Takemi, University of Tokyo, Japan
Syoichi Tashiro, Keio University, Japan

Supervision

2015-2016	Co-supervisor for 2 bachelor- and 2 master students at the neural control of movement lab, University of Copenhagen.
2019	Daily supervisor for master student Marta Marques on: *Development of an image processing pipeline for the study of cortical lesions in multiple sclerosis patients using ultra-high field MRI*
2020-2021	Daily supervisor for master student Valeska Solmianka on: *Finger representations in the sensorimotor cortex in people with Multiple Sclerosis*

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