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Education

Philosofiae doctorem - University of Oslo - Norway

THESIS TITLE: NEUROCOGNITIVE PROCESSES OF DECISION-MAKING IN ADULTS WITH ADHD

2012 - 2016

Master in Cognitive Neuroscience - University of Oslo - Norway

THESIS TITLE: DEFAULT MODE RESTING-STATE FUNCTIONAL CONNECTIVITY OF THE AGING BRAIN

2009 - 2011

Bachelor in Psychology - University of Oslo - Norway

THESIS TITLE: ATTENTION DEFICITS IN MILD COGNITIVE IMPAIRMENT AND DEMENTIA OF THE ALZHEIMER TYPE

2006 - 2009

Research positions _____

University of Oslo - Center for Lifespan Changes in Brain and Cognition

STAFF SCIENTIST 2018 - present

- · Creation and maintenance of LCBC data-base
- Data sharing and management in Lifebrain EU-project (WP2)
- Oversee data quality in ongoing data-collection

University of Oslo - Center for Lifespan Changes in Brain and Cognition

RESEARCHER / PROJECT MANAGER

2016 - 2017

- Coordinating data collection, data-management, and research collaborations
- · Running analyses and data preparations

University of Oslo - Dept. of Psychology

RESEARCH ASSISTANT AND LAB-TECHNICIAN

2011 - 2012

- · Work with functional MRI-analysis, supervising students, and transitioning lab from windows to a Linux
- · Scripting of experiments, testing of participants and work on application for grants and ethical approval

Memberships & Services_

I am passionate about increasing the representation and retention of women in science, and in improving the formal training and competencies taught at the University. These interests are evident from task force and board memberships, and in activities I engage in outside of work, like R-Ladies.

R-Ladies global team GLOBAL TEAM MEMBER

· Assisting in daily coordination and webpage maintenance of R-Ladies globally

2019 - present

• Initiative running events for coding, networking and support of minority genders in the R-community

R-Ladies Oslo

CO-FOUNDER AND CHAIR

2018 - present

• Assisting in daily coordination and webpage maintenance of R-Ladies globally

· Initiative running events for coding, networking and support of minority genders in the R-community

University of Oslo

· Dept. of Psychology internal ethics committee

2019 - NA

University of Oslo

2017 - 2018

• Task force proposing changes to the PhD-program

Oslo

University of Oslo

2016 - 2017

· Central task force regarding research ethics, GDPR, and Hospital/University collaboration

DECEMBER, 2020

MEMBER

ATHANASIA MONIKA MOWINCKEL · MOWINCKEL CV

University of OsloOsloFACULTY BOARD MEMBER, ELECTED2015 - 2015• Faculty of Social SciencesUniversity of OsloUniversity of OsloOsloDEPARTMENT BOARD MEMBER, ELECTED2014 - 2015• Dept. of PsychologyUniversity of OsloUniversity of OsloOsloCo-FOUNDER AND CHAIR2013 - 2015

PsyDoc - Interest organisation for PhDs and PostDocs.

Teaching & Dissemination

In addition to teaching and workshops, I run a coding and neuroscience blog, drmowinckels.io ③, that includes tutorials in R and neuroimaging. I am also a certified Software Carpentry Instructor ③.

UNIVERSITY

 University of Oslo
 Oslo, Norway

 SEMINAR TEACHER
 2012 - 2015

Introduction to research methods (PSY1010/PSYC1100)

Experimental Cognitive Psychology (PSYC2102)

University of OsloOslo, NorwaySUPERVISOR2012 - 2015

• Bachelor thesis

 University of Oslo
 Oslo, Norway

 SEMINAR TEACHER
 2009 - 2011

• Introduction to research methods (PSY1010/PSYC1100)

• Introduction to social psychology (PSY1100)

WORKSHOPS

Monthly internal R-workshops for LCBC

and Cognition

STRUCTOR

Monthly 2018 - present

• 2 hour workshops in using R for analysis, visualization, dissemination etc.

Workshop: Straightforward introduction to mixed models **②**

• A short workshop in the use of Mixed-models for repeated measurement data

Linear Mixed models on repeated measurement data 🔾

A short workshop in the use of Mixed-models for repeated measurement data

TidyVerse R ♀

University of Oslo - Software
Carpentry

Two-day workshop on using R and the Tidyverse-packages for data handling and analysis

Research software development

A recent interest and professional endeavor is creating R-packages to improve data workflows and visualization in R. Icons link to package websites with documentation (③), and github repositories (①) where source code is openly available.

2018 - **ggseg ♥ ②**: Lead developer

present Visualization tool for brain atlas segmentations through R

2018 - **ggeg3d ♥ ②**: Lead developer

present 3 dimensional visualization tool for brain atlas segmentations through R

2018 - **ggegExtra ♥ ②**: Lead developer

present Repository of atlas data for the ggseg-packages

nettskjemar 🗘 🕒: Lead developer

Package to retrieve data and meta-data from the nettskjema questionnaire tool developed by the University

of Oslo

2020 **metagam () ()**: Contributor

Meta-Analysis of Generalized Additive Models in Neuroimaging Studies

Center for Lifespan Changes in Brain

Oslo UseR! June 5, 2019

R-Ladies London March 28, 2019

Sept. 25 - 26, 2018

Publications & Preprints _____

2020	AM Fjell, Ø Sørensen, IK Amlien, D Bartrés-Faz, DM Bros, N Buchmann, et al. Self-reported sleep relates to hippocampal atrophy across the adult lifespan: results from the Lifebrain consortium	cites: 13
	Sleep 43 5 zsz280	
2020	VM Danielsen, DV Pineiro, AM Mowinckel , D Sederevicius, AM Fjell, et al. <i>Lifespan trajectories of relative corpus callosum thickness: regional differences and cognitive relevance.</i> PsyArXiv	Preprint cites: 4
2020	D Vidal-Pineiro, N Parker, J Shin, L French, H Grydeland, AP Jackowski, et al. Cellular correlates of cortical thinning throughout the lifespan BioRxiv 585786	Preprint cites: 4
2020	Ø Sørensen, AM Brandmaier, DM Bros, K Ebmeier, P Ghisletta, RA Kievit, et al. Meta-Analysis of Generalized Additive Models in Neuroimaging Studies arXiv preprint arXiv: 200202627	Preprint cites: 2
2020	KB Walhovd, AM Fjell, Ø Sørensen, AM Mowinckel , CS Reinbold, et al. Genetic risk for Alzheimer disease predicts hippocampal volume through the human lifespan Neurology Genetics 6 5	cites: 1
2020	KB Walhovd, ACS Bråthen, MS Panizzon, AM Mowinckel , Ø Sørensen, et al. Within-session verbal learning slope is predictive of lifespan delayed recall, hippocampal volume, and memory training benefit, and is heritable Scientific reports 10 1 113	cites: 0
2020	AM Fjell, Ø Sørensen, IK Amlien, D Bartrés-Faz, AM Brandmaier, et al. Poor Self-Reported Sleep is Related to Regional Cortical Thinning in Aging but not Memory Decline—Results From the Lifebrain Consortium Cerebral Cortex	cites: 0
2020	I Budin-Ljøsne, BB Friedman, S Suri, C Solé-Padullés, S Düzel, et al. The Global Brain Health Survey: Development of a Multi-Language Survey of Public Views on Brain Health Frontiers in Public Health 8 387	cites: 0
2020	KB Walhovd, A Fjell, Y Wang, IK Amlien, AM Mowinckel , U Lindenberger, et al. Education and income show heterogeneous relationships to lifespan brain and cognitive differences across European and US cohorts bioRxiv	Preprint cites: 0
2020	A Fjell, H Grydeland, Y Wang, IK Amlien, D Bartres-Faz, A Brandmaier, et al. The genetic organization of subcortical volumetric change is stable throughout the lifespan bioRxiv	Preprint cites: 0
2020	A Fjell, O Sorensen, IK Amlien, D Bartrés-Faz, A Brandmaier, D Macia, et al. Self-reported sleep problems are related to cortical thinning in aging but not memory decline and amyloid-β accumulation-results from the Lifebrain consortium bioRxiv	Preprint cites: 0
2020	D Vidal-Pineiro, MH Sneve, IK Amlien, HH Grydeland, AM Mowinckel , et al. The functional foundations of episodic memory remain stable throughout the lifespan bioRxiv	Preprint cites: 0
2019	AM Fjell, CH Chen, D Sederevicius, MH Sneve, H Grydeland, et al. Continuity and discontinuity in human cortical development and change from embryonic stages to old age Cerebral Cortex 29 9 38793890	cites: 10
2019	AM Mowinckel , D Vidal-Piñeiro Visualisation of brain statistics with r-packages ggseg and ggseg3d arXiv preprint arXiv: 191208200	Preprint cites: 9
2019	D Vidal-Piñeiro, MH Sneve, LH Nyberg, AM Mowinckel , D Sederevicius, et al. <i>Maintained frontal activity underlies high memory function over 8 years in aging</i> Cerebral Cortex 29 7 31113123	cites: 9
2019	AM Fjell, MH Sneve, D Sederevicius, Ø Sørensen, SK Krogsrud, et al. Volumetric and microstructural regional changes of the hippocampus underlying development of recall performance after extended retention intervals Developmental cognitive neuroscience 40 100723	cites: 3
2019	KB Walhovd, AM Fjell, Ø Sørensen, AM Mowinckel , CS Reinbold, et al. Genetic risk for Alzheimers disease predicts hippocampal volume through the lifespan bioRxiv 711689	Preprint cites: 1
2019	AM Fjell, MH Sneve, D Sederevicius, Ø Sørensen, SK Krogsrud, et al. Volumetric and microstructural regional changes of the hippocampus underlying development of extended delay long-term memory bioRxiv 595827	Preprint cites: 1
2019	D Bartrés-Faz, Ø Sørensen, IK Amlien, AM Fjell, DM Bros, N Buchmann, et al. Self-reported sleep relates to hippocampal atrophy over the adult lifespan-results from the Lifebrain consortium Sleep 43 5	cites: 0

2018	KB Walhovd, AM Fjell, R Westerhausen, L Nyberg, KP Ebmeier, et al. Healthy minds 0–100 years: Optimising the use of European brain imaging cohorts ("Lifebrain") European Psychiatry 50 4756	cites: 24
2017	AM Mowinckel , D Alnæs, ML Pedersen, S Ziegler, M Fredriksen, et al. Increased default-mode variability is related to reduced task-performance and is evident in adults with ADHD NeuroImage: Clinical 16 369382	cites: 21
2016	S Ziegler, ML Pedersen, AM Mowinckel , G Biele Modelling ADHD: A review of ADHD theories through their predictions for computational models of decision-making and reinforcement learning Neuroscience and Biobehavioral Reviews 71 633656	cites: 52
2015	AM Mowinckel , ML Pedersen, E Eilertsen, G Biele A meta-analysis of decision-making and attention in adults with ADHD Journal of attention disorders 19 5 355367	cites: 79
2012	AM Mowinckel , T Espeseth, LT Westlye Network-specific effects of age and in-scanner subject motion: a resting-state fMRI study of 238 healthy adults Neuroimage 63 3 13641373	cites: 129