

Enrico Glerean

Curriculum Vitae

Senior Scientist

Turku PET Centre
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code: github.com/eglerean

Academic Positions

2017 – present	Senior Scientist	University of Turku, Turku PET Centre
2016 – 2017	Postdoctoral Research Associate	Aalto University, Dept. of Neuroscience and Biomedical Engineering
2010 – 2015	Research Assistant	Aalto University, Dept. of Biomedical Engineering and Computational Science
2008 – 2011	Research Assistant	University of Helsinki, Institute of Behavioural Sciences, CBRU
2003 – 2004	Research Assistant	University of Padua, Dept. of Information Engineering

Education

2012 – 2015	Doctorate in Cognitive Science (with distinction)	Aalto University, Department of Neuroscience and Biomedical Engineering Advisor: Mikko Sams
1996 – 2002	MSc in Telecommunication Engineering	University of Padua, Department of Information Engineering Advisor: Nevio Benvenuto

Work Experience (selection)

2009 – 2012	Senior Software Developer	SongHI Entertainment OY, Helsinki
2004 – 2008	Head of Technical Operations and Chief Software Developer	Consolidated Independent Ltd., London
2004 – 2012	Co-founder and Chief Technical Officer	Diogenes Music Ltd., London

Awards, Honors and Grants

2017	Aalto Scientific Communication Award (500€)
2017	Award for science communication with Brain Twitter Conference “Liikutu tiedosta palkinto” (3000€)
2017	Aalto University, best doctoral thesis (3000€)
2016	Novartis neuroscience award: best doctoral thesis in Finland (2000€)
2015 – 2016	Grant from Finnish Ministry of Education and Culture: Long term data preservation pilot project in collaboration with Avoin Tiede (Open Science Finland) and CSC (25000€)
2013	Brain & Mind doctoral student grant (one year full salary)
2013	FGSN/B&M symposium 2013: Best student talk award (200€)

Selected open-source software packages

FUNPSY toolbox – Functional Magnetic Resonance Imaging Phase Synchronisation toolbox for estimating time-varying synchrony across subjects or between brain areas as presented in Glerean, et al. (2012) Brain Connectivity. <https://github.com/eglerean/funpsy>

emBODY toolbox – Web tool for self reporting bodily maps as used in Nummenmaa, Glerean et al (2013) PNAS <https://version.aalto.fi/gitlab/eglerean/embody>

Dynamic Annotation tool – Web tool to dynamically rate video content as used in Nummenmaa, Glerean et al (2012) PNAS <https://version.aalto.fi/gitlab/eglerean/dynamicannotations>

BraMiLa – code repository for the Brain and Mind Laboratory at Aalto, includes automated fMRI preprocessing pipeline for functional connectivity over the distributed cluster as used in Glerean et al (2016) Human Brain Mapping <https://version.aalto.fi/gitlab/BML/bramila>

Other scientific activities

2017 – present	Data agent at Aalto University: promoting best practices in data management and open science.
2017 – present	Organizer of Brain Twitter Conference https://brain.tc/
2015 – 2016	Consultant for Avoin Tiede ja Tutkimus (supported by the Finnish Ministry of Education and Culture): standard for long term brain data preservation.
2012 – 2015	Manager of the Brain & Mind lab activities (communication, journal clubs, providing training for undergraduate interns as well as doctoral students)

Teaching, Mentorship and Supervision

2017 – present	Special Course in Human Neuroscience: Human Brain Connectivity (5 credits, 130h, own course) [URL]
2016	Master thesis supervisor: "Classification of emotions from functional connectivity graphs" by Henri Mynttinen [PDF]
2016	Master thesis supervisor: "Application of Dynamic Time Warping in Functional Magnetic Resonance Imaging" by Eero Kuusi [PDF]
2015	Master thesis supervisor: "MU-opioid receptor modulation of brain resting-state functional connectivity" by Sirius Vuorikoski [PDF]
2012 – present	BECS-C3001 Aivoaakkoset, Aalto University. <i>Lecturer</i> [URL]
2010	Master thesis supervisor: "Video annotation for studying the brain in naturalistic settings" by Kalle Wallenius [PDF]

Professional activities

Ad-hoc Peer Reviewing

Referee for the following international peer-reviewed journals (in alphabetical order): Cognition and Emotion, eNeuro, Frontiers in Neuroscience, Molecular Autism, Network Neuroscience, Neuroimage, PLoS Computational Biology, PLoS ONE, Proceedings of the National Academy of Sciences, Philosophical Transactions of the Royal Society B.

Referee for conferences: brainTC twitter conference 2017, NetSci 2018 conference (Paris).

Publons link: <https://publons.com/author/732978/enrico-glerean#profile>

Presentations

Symposium/conference talks and departmental lectures

10/2017	fMRI preprocessing and connectivity, PET Centre
06/2017	Matlab parallel computing, Aalto
04/2016	Open data and open access publishing, Aalto
05/2014	Helsinki University Neurology School, Helsinki
09/2013	fMRI School, Aalto
06/2013	Network Science, Copenhagen
04/2013	Mind and Brain Center, Davis California
03/2011	Auditory Cognitive Neuroscience meeting, Leipzig

Societal Impact

“Bodily maps of emotions” was the 20th most discussed scientific article in the media in 2014 amongst all scientific disciplines <https://www.altmetric.com/top100/2014/>

Brain Twitter Conference reached an audience of 0.6 million twitter users
<http://www.aalto.fi/en/current/news/2017-06-15-004/>

References

Previous mentors, past and current collaborators can be contacted for references on my work

Prof. Mikko Sams, Aalto School of Science, mikko.sams@aalto.fi, +358505215739

Prof. Lauri Nummenmaa, University of Turku, lauri.nummenmaa@utu.fi, +358405866700

Prof. Em. Riitta Hari, Aalto University, riitta.hari@aalto.fi

Prof. Elvira Brattico, Aarhus University, elvira.brattico@clin.au.dk, +4578463030

Prof. Jari Saramäki, Aalto University, jari.saramaki@aalto.fi

Dr. Lauri Tuominen, Harvard University, LTUOMINEN@mgh.harvard.edu

Other

In my free time I enjoy swimming, cycling, making music, and playing with my two children. I run a scientific blog at <https://eglerean.wordpress.com>.