

# Enrico Glerean

Born: 29/03/1977, San Dona Di Piave (Venice), Italy.

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 code: [github.com/eglerean](https://github.com/eglerean)

## Academic Positions

2018 – present	Postdoctoral Scientist	Aalto University, Dept. of Computer Science & Helsinki Institute for Information Technology
2017 – present	Data Agent	Aalto University, Research and Innovation Services
2017 – 2018	Senior Scientist	University of Turku, Turku PET Centre
2016 – 2017	Postdoctoral Scientist	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 Eng.

## Education

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

## 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 CTO	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>

**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

2018	Chairperson of Brainhack Finland, hackathon on brain imaging part of the Brainhack Global network
2017 – present	Data agent at Aalto University: promoting best practices in data management and open science. Implementing GDPR for brain imaging.
2017 – present	Organizer of Brain Twitter Conference <a href="https://brain.tc/">https://brain.tc/</a>
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

2018 – present	CS-E5740 Complex Networks, Aalto University. Lecturer.
2017 – present	Responsible for book exams on brain networks for the Brain & Mind Doctoral program <a href="http://www.brain-mind.fi/courses.html">http://www.brain-mind.fi/courses.html</a>
2017 – present	NBE-E4530 Special Course in Human Neuroscience: Human Brain Connectivity (5 credits, 130h, own course) <a href="#">[URL]</a>
2012 – present	BECS-C3001 Aivoaakkoset, Aalto University. Lecturer <a href="#">[URL]</a>
2018	Master thesis advisor: "Effects of spatial smoothing on group-level differences in the structure of functional brain networks" by Ana Triana Hoyos <a href="#">[PDF]</a>
2016	Master thesis advisor: "Classification of emotions from functional connectivity graphs" by Henri Mynttinen <a href="#">[PDF]</a>
2016	Master thesis advisor: "Application of Dynamic Time Warping in Functional Magnetic Resonance Imaging" by Eero Kuusi <a href="#">[PDF]</a>
2015	Master thesis advisor: "MU-opioid receptor modulation of brain resting-state functional connectivity" by Sirius Vuorikoski <a href="#">[PDF]</a>
2010	Master thesis advisor: "Video annotation for studying the brain in naturalistic settings" by Kalle Wallenius <a href="#">[PDF]</a>

## 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 & 2018, NetSci 2018 conference (Paris).

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

### Presentations

*Symposium/conference talks and departmental lectures*

05/2018	Brainhack Finland, Aalto
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

## 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 in 2017 and 2.2 million users in 2018 <http://www.aalto.fi/en/current/news/2017-06-15-004/>

Brainhack Finland, chaired by Enrico, was the first Finnish hackathon on brain imaging data. <https://brainhackfinland.github.io/2018/>

## 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](mailto:mikko.sams@aalto.fi),

Prof. Lauri Nummenmaa, University of Turku, [lauri.nummenmaa@utu.fi](mailto:lauri.nummenmaa@utu.fi),

Prof. Em. Riitta Hari, Aalto University, [riitta.hari@aalto.fi](mailto:riitta.hari@aalto.fi)

Prof. Elvira Brattico, Aarhus University, [elvira.brattico@clin.au.dk](mailto:elvira.brattico@clin.au.dk),

Prof. Jari Saramäki, Aalto University, [jari.saramaki@aalto.fi](mailto:jari.saramaki@aalto.fi)

## Other

In my free time I enjoy swimming, cycling, making music, and playing with my two children (born 2014 and 2016, total parental leave of 6 months between 2014 – 2018). I run a scientific blog at <https://eglerean.wordpress.com>.