

Personal Information

Date of birth: 30.08.1975

Contact information

DANDRITE- Danish Research Institute of Translational Neuroscience

Nordic EMBL Partnership for Molecular Medicine

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Positions

2014-present: Group Leader, Aarhus University, DANDRITE

2014-2016: Visiting Scientist, Cold Spring Harbor Laboratory

2008-2014: Postdoctoral researcher, Cold Spring Harbor Laboratory, P.I: Adam Kepecs

2007-2008: Postdoctoral researcher, Cold Spring Harbor Laboratory, P.I: Z. Josh Huang

2002-2006: Ph.D. student, Institute of Molecular Pathology (IMP), P.I: Barry Dickson

Education and Training

2006: Ph.D., Institute of Molecular Pathology (IMP), Vienna

1997: Diploma, Iv. Javakhishvili Tbilisi State University

Scientific summary

Area of research:

Field of systems neuroscience and decision making in animals and humans. Developing novel technologies for recording and manipulation of neural ensembles.

Bibliometric summary:

5 most cited papers with 2572 number of google scholar citations:

- Stockinger P*, **Kvitsiani D***, Rotkopf S, Tirian L, Dickson BJ "Neural circuitry that governs Drosophila male courtshipbehaviour" Cell. 2005 Jun3;121(5):664-6. * These authors contributed equally
- **Kvitsiani D**, Dickson BJ " Shared neural circuitry for Drosophilafemale and male sexual behaviours" Current Biology. 2006 May 23;16(10):R355-6
- Taniguchi H, He M, Wu P, Kim S, Paik R, Sugino K, **Kvitsiani D**, Fu Y, Lu J, Lin Y, Miyoshi G, Shima Y, Fishell G, Nelson SB, Huang ZJ. "A resource of Cre driver lines for genetic targeting of GABAergic neurons in cerebral cortex." Neuron.2011 Sep 22; 71(6):995-1013.
- **Kvitsiani D***, Ranade S*, Hangya B, Taniguchi H, Huang ZJ, Kepecs A "Distinct behavioural correlates and network interactions of two interneuronclasses in mouse prefrontal cortex." Nature. 2013. June 20;498(7454):363-6. * These authors contributed equally
- Pi HJ, Hangya B, **Kvitsiani D**, Sanders JI, Huang ZJ, Kepecs A "Cortical interneurons thatspecialize in disinhibitory control." Nature. 2013 Oct 6.

Invited talks

05/2013: SPINES seminar at NYU Neuroscience Institute, New York

09/2012: International Conference on Brain Dynamics and Decision Making, Ascona

02/2015: EMBL , Monterotondo

09/2015: Annual Meeting for Nordic EMBL partnership, Aarhus

11/2016: Summit on Human Problem Solving and Artificial Intelligence, Sandbjerg, Denmark

02/2017: Institute of Experimental Medicine Institute, Budapest

xx/xxxx: Department of Biomedicine, Copenhagen University

04/2018: Champalimaud Center for Unknown

05/2018: Neuroscience day Aarhus

08/2018: Conference "The Thinking Machine: Interdisciplinary Perspectives on Neural Networks", Aarhus University

International Collaborations

Balazs Hangya, P.I. Hungarian academy of Science, Institute of Experimental Medicine.

Zoltan Somogyvari, P.I. Hungarian Academy of Science, Institute for particle and Nuclear Physics

Ashok Litwin Kumar, P.I. Columbia University, Zuckerman Institute.

Larry Abbott, P.I. Columbia University, Zuckerman Institute

Membership of societies:

Member of federation of European Neuroscience, FENS

Member of Society of Neuroscience, SFN
Member of Danish Society for Neuroscience DSfN

Research funding

2015-2018: Lundbeck Foundation grant for projekc "Light and the Brain". Co-applicant, 1,5 mio DKK
2015-2018: AUDD NOVA grant for "Next generation tools to record fine temporal and spation activity of neurons in freely behaving animals". Main applicant, 2,3 mio DKK
2019: Lundbeck foundation grant to organize large conferences and meetings. Meeting on systems neuroscience and decision making at Aarhus University. 118.000 DKK

Teaching and Supervision

Teaching experience:

Master level course (15hr) in Neurobiology with the focus on sensory systems
Graduate level course in Neurobiology (2hr) with the focus on plasticity

Supervision of Ph.D students:

2018: Juliane Martin
2019: Sophie Seidenbecher
2019: Jesper Hagelskjær
2019: Junior Samuel Lopez Yepez

Postdoctoral fellows:

2018-2020: Juliane Martin
2019-present: Jesper Hagelskjær
2019-2020: Sophie Seidenbecher
2019-present: Junior Samuel Lopez Yepez
2018-present: Maria Moltessen

Evaluation of others work

Review of papers from journals: Nature, Nature Communication, Journal of European Neuroscience.
Thesis evaluation / opponent: 3

Organization of meetings and conferences

2016, Balaton Lake, Hungary:
Meeting in Systems Neuroscience and Decision Making (SYNDI)
2017, Copenhagen, Denmark:
Lundbeck Brain Prize Meeting, Rewarding Neuroscience
2018, Tbilisi, Georgia:
Meeting in Systems Neuroscience and Decision Making (SYNDI)
2019, Aarhus, Denmark;
Meeting in Systems Neuroscience and Decision Making (SYNDI)