
ELINA A. K. JACOBS

Neuroscientist looking to use her skills to benefit the general public, with a particular interest in mental health. I love learning and continuously look for new ways to challenge myself.

EDUCATION

University College London, London, UK

PhD Neuroscience, September 2018

University of Edinburgh, Edinburgh, UK

First Class BSc Honours Neuroscience, June 2013

I took Psychology courses from September 2009 – April 2011 as part of this degree.

University of New South Wales, Sydney, Australia

International Exchange, July 2011 to June 2012

PROFESSIONAL EXPERIENCE

Neuromatch Academy Online Computational Neuroscience Summer School

Lead Teaching Assistant, July 2023; Group project Mentor, July 2021, July 2022; Teaching Assistant, July 2020

Johannes Gutenberg University Mainz, Germany

Postdoctoral Researcher in the Ryu Lab

March 2021 to December 2022

Sainsbury Wellcome Centre for Neural Circuits and Behaviour, University College London, UK

Postdoctoral Research Fellow in the Isogai Lab, in collaboration with Meyer Lab at King's College London

January 2019 to December 2020

SCIENCE COMMUNICATION & PUBLIC ENGAGEMENT

BrainCamp Kosovo, April 2020

I delivered online introductory Neuroscience lectures to secondary school students in Kosovo via the XhM Foundation:

www.crowdcast.io/xhmfoundation

Society for Neuroscience (SfN) 2016 'Hot Topics'

I was selected to provide a lay language summary of my PhD work for inclusion in the 'Hot Topics' book that the world's largest academic Neuroscience conference SfN distributes to the media.

TES Article: The enigma of the teen brain, May 2014.

I contributed to the writing of a neuroscience article that appeared in the general public education journal TES. The online version of the article can be found at: <http://www.tes.co.uk/article.aspx/storycode=6430098>

Science Festivals

Cheltenham Science Festival, June 2014: I won a competitive bursary from the UCL Graduate School to participate at the Cheltenham Science Festival.

Edinburgh International Science Festival, April 2011: Front of House Assistant.

Ultimo Science Festival, Sydney, Australia, August 2011: Volunteer.

ACADEMIC PUBLICATIONS

- ❖ Mathew D. Edwards, Ziwei Yin, Risa Sueda, Alina Gubanova, Chang S Xu, Virag Lakner, Megan Murchie, Chi-Yu Lee, Kristal Ng, Karolina Farrell, Rupert Faraway, Subham Ganguly, **Elina Jacobs**, Bogdan Bintu, Yoh Isogai (2024). Combined transcriptomic, connectivity, and activity profiling of the medial amygdala using highly amplified multiplexed in-situ hybridization (hamFISH). *bioRxiv*, <https://doi.org/10.1101/2024.09.14.613026>
- ❖ **Elina A. K. Jacobs** & Soojin Ryu (2023). Larval zebrafish as a model for studying individual variability in translational neuroscience. *Frontiers in Behavioural Neuroscience*, *17*, 1143391.
- ❖ **Elina A. K. Jacobs**, Nicholas A. Steinmetz, Andrew J. Peters, Matteo Carandini, Kenneth D. Harris (2020). Cortical State Fluctuations during sensory Decision Making. *Current Biology*, *30*, 4944-4955.
- ❖ Lisa J. Knoll, Annie Gaule, Alberto Lazari, **Elina A. K. Jacobs**, Sarah-Jayne Blakemore (2020). Neural correlates of social influence on risk perception during development. *Social Neuroscience*, *15*, 355-367.

- ❖ Christopher P. Burgess, Armin Lak, Nicholas A. Steinmetz, Peter Zatzka-Haas, Charu Bai Reddy, **Elina A. K. Jacobs**, et al (2017). High-yield methods for accurate two-alternative visual psychophysics in head-fixed mice. *Cell Reports*, 20, 2513-2524.
- ❖ Nicholas A. Steinmetz, Christina Buetfering, Jerome Lecoq, Christian R. Lee, Andrew J. Peters, **Elina A. K. Jacobs**, et al (2017). Aberrant neocortical activity in certain GCamp6-expressing transgenic mice. *eNeuro*, 0207-17.2017.
- ❖ **Elina Jacobs**, James D. Mills, Michael Janitz (2012). The Role of RNA Structure in Posttranscriptional Regulation of Gene Expression, *Journal of Genetics and Genomics*, 39, 535-543.

CONFERENCE TALKS

Society for Neuroscience Annual Meeting 2016, San Diego, USA

Nanosymposium: Visual Cognition – Decision Making

Widefield imaging of sensory cortices during visual and audio-visual behaviour in mice

Elina Jacobs, Michael Okun, Nicholas Steinmetz, Christopher Burgess, Daisuke Shimaoka, Matteo Carandini & Kenneth D. Harris

FENS (Federation of European Neuroscience Societies) Brain Conference 2016:

The Brain in Focus: New Approaches to Imaging Neurons and Neural Circuits

Short talk, April 2016, Rungstedgaard, Denmark

Wide-field imaging of genetically encoded calcium indicators during visual behaviour in mice.

Elina Jacobs, Nicholas A. Steinmetz, Michael Okun, Christopher P. Burgess, Daisuke Shimaoka, Matteo Carandini & Kenneth D. Harris

AWARDS & ACHIEVEMENTS

Wellcome Trust PhD Studentship 2013-2018

FENS, IBRO-PERC and The Brain Prize stipend, FENS Brain Conference 2016

British Neuroscience Association Undergraduate Award 2013

Neuroscience Honours Best Science Student 2013 (University of Edinburgh)

Edinburgh Award for Resident Assistants 2013 (University of Edinburgh)

UCL Graduate School Bursary to attend the Cheltenham Science Festival 2014

James Rennie Bequest Award (travel award) for participating in a Marine Conversation Expedition in Madagascar with Blue Ventures in 2010

UCLU Arts and Colours Award 2016, received for my exemplary contributions as treasurer (2014-15) and assistant member (2015-16) to the UCLU Salsa Society

LANGUAGE SKILLS

Native proficiency in Finnish

Bilingual & professional working proficiency in English, German, and Luxembourgish

Working proficiency in French

Conversational Spanish

Elementary proficiency in Russian and Latin

Beginner in Swedish

Basic comprehension of Estonian, Dutch, Flemish, Italian and Portuguese