

Veronika Shamova

Curriculum vitae

Education

MSc in Neural Systems and Computation, *University of Zürich and ETH Zürich*, Zürich, grade: 5.3/6.0. **2016–2019**

BSc in Neuroscience, *New York University*, New York, NY, USA, grade: 3.6/4.0. **2013–2016**
Minor in Computer Science.

BSc in Biology, *University of Massachusetts*, Amherst, MA, USA, grade: 3.9/4.0. **2012–2013**
Transferred to New York University in 2013

Master's thesis

Title: *Amygdala and hippocampus oscillations in human fear conditioning*

Supervisors: Professor Dominik Bach and Professor Valerio Mante

Description: Studied the role of theta and gamma oscillations during cued fear conditioning in the amygdala and hippocampus of humans using intracranial electroencephalography.

Work experience

Master's Student, *Bachlab*, University of Zürich. **2017–2018**

- Worked on a Master's project
- Developed a pipeline for processing and analysing iEEG data in MATLAB and SPM
- Worked with structural MR and CT scans to localize electrodes
- Performed statistical analyses and modeling in R

Research Assistant, *Mar Lab*, NYU Langone Medical Center. **2015–2016**

- Assisted on a project that investigated decision making in mice
- Handled and tested animals
- Gathered data and performed preliminary analyses

Research Assistant, *Cognition and Action Lab*, UMass, Amherst. **2012–2013**

- Assisted a graduate student with a project investigating the role of sleep in emotional memory recall
- Tested and debriefed human participants
- Set up polysomnography equipment
- Helped with data retrieval

Programming skills

Beginner: Java, C, C# (Unity scripting), HTML

Intermediate: Python, LaTeX

Advanced: MATLAB, R

Software skills

○ SPM

○ FieldTrip

○ Unity

○ Freesurfer

○ SPSS

Languages

Russian: Native

English: Fluent

German: Intermediate

References

Dominik Bach: *d.bach@ucl.ac.uk*

Adam Mar: *adam.mar@nyulangone.org*