

**Aleksei Gorin**

Birth date 08.05.1989  
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**Research interests**

- Neuroimaging, analysis of EEG\MEG data, non-parametric statistics for neuroimaging data;
- Cognitive neuroscience: reinforcement learning, social learning, neuroeconomics;

**Education**

Master student, Saint-Petersburg State University Department of Higher Nervous Activity and Psychophysiology, Degree earned: Master of Biology 2013-2015

*Master thesis: Magnetoencephalographic Correlates of Changing Opinion*

Bachelor student Saint-Petersburg State University, Saint-Petersburg State University Department of Higher Nervous Activity and Psychophysiology, Degree earned: Bachelor of Biology (2012) 2008-2012

*Bachelor's thesis: Neuroimaging of cingulate cortex activity by magnetoencephalography in humans whose opinion differs from that of the majority*

**Publications and Poster presentation:**

*Zubarev I, Gorin A, Klucharev V., Shestakova A. MEG correlates of social conformity// Proceedings of International Symposium "Neuroimaging: Theory and Clinical applications", Moscow May 2012, p. 63-66 (in Russian)*

*Kalmykova M, Shestakova A, Tugin S., Krugliakova E., Gorin A., Klucharev V. ERP Study of Brand Association// Society for Neuroeconomics Annual Meeting, EPFL, Losanne, Switzerland, 2013*

*Krugliakova E., Gorin A., Shestakova A., Klucharev V. Short-term plasticity in auditory cortical circuit evoked by monetary incentive delay task // "Society for Neuroeconomics Annual Meeting", Miami, FL, USA, 2014*

*Bogolyubova O, Shestakova A, Gorin A. "Postraumatic disorder and decision making: applying neuroeconomic approach to study PTSD", Experimental Psychology (Russia), in press*

**Language competence**

Russian (native)  
English (upper intermediate (B2))

## **Selected courses and schools**

### Intensive courses & schools

- Methods of data processing in EEG and MEG. Applied aspects of magneto-and electroencephalographic neuroimaging” Moscow, April, 16-30, 2013
- Noninvasive methodologies to study whole brain functions (includes MEG, TMS, OI, fMRI) St. Petersburg, October, 19-22, 2011
- Science Factory and 2nd TMS–EEG Summer School organized by Aalto University in Finland, September 8–13, 2014
- Methodological problems of estimating functional synchronization of cortical areas based on MEG/EEG data, Moscow, July, 6, 2015
  
- Neuroeconomics: Neurobiology of Decision Making, Moscow, February, 24-29, 2011

### Core Courses in Neuroscience:

- Digital Signal Processing of EEG and MEG
- Functional Neuroanatomy
- Cognitive Neurophysiology
- MATLAB in neuroscience
- Cellular and molecular Neurobiology
- Functional Neurochemistry

### Extra-curriculum courses

- Programming and Network Administration (Mathematics & Mechanics Faculty of St. Petersburg State University, Specialists’ Retraining Center), 2012-2013
- Linear Algebra (MIT via <http://ocw.mit.edu/>), 2014

### Software proficiency:

Matlab, Brainstorm, Neuromag Software (Maxfilter, Graph, MEG-MRI lab, xfit ect), Python, Java, NBS Presentation, WinEEG, Microsoft Office

### Work experience

2013 – present, Higher School of Economics (Moscow), Centre for Cognition & Decision Making, research assistant

2012 – 2014 Saint-Petersburg State University, Department of Higher Nervous Activity and Psychophysiology, Laboratory of Psychophysiology, Research Assistant;