

Curriculum Vitae

Ákos Babiczky

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Education

- 09/2016 - Present** **Cognitive Sciences MSc**
Faculty of Natural Sciences
Budapest University of Technology and Economics, Budapest, Hungary
Thesis: Anatomy of the thalamo-amygdalar circuitry underlying fear behaviour
- 09/2012 – 06/2016** **Biology BSc**
Faculty of Science, Eötvös Lóránd University, Budapest, Hungary
Thesis: Basic characterization of neural circuits involved in fear and reward responses: parallel or separate pathways?
- 09/2015 – 06/2012** **Alternatív Közgazdasági Gimnázium (High School), Budapest, Hungary**

Professional and scientific experiences

- 10/2015 - Present** **Undergraduate Research Fellowship/Assistance**
Hungarian Academy of Sciences, Research Centre for Natural Sciences, Institute of Cognitive Neuroscience and Psychology, Neuronal Networks and Behaviour Research Group (Ferenc Mátyás), Budapest, Hungary
Neuroscience research work: epifluorescent and confocal (Leica) microscopy, immunohistochemistry, anatomical surgeries, fibre implantation, classical and viral tracing, analysis, animal care (mice), assistance
- 06/11/2017-19/11/2017** **Campus Mundi Short Study Programme**
Walton Lab, University of Oxford (dr. Mark Walton), Oxford, UK
Short scholarship: fast-scan cyclic voltammetry, fibre photometry, behavioural experiments (mice, rats)
- 07/2016 – 10/2016** **Erasmus+ Traineeship**
Universidad Autónoma de Madrid (prof. Francisco Clascá) Madrid, Spain
Neurobiology traineeship: single-cell mRNA labelling, BDA tracing, immunohistochemistry, epifluorescent microscopy (mice)
- 11/2013 – 10/2015** **Undergraduate research fellowship**
Hungarian Academy of Sciences, Institute of Experimental Medicine, Laboratory of Thalamus Research (László Acsády), Budapest, Hungary
Neuroscience research work: working with mice, epifluorescent and confocal (Olympus) microscopy, immunohistochemistry, anatomical surgeries (mice), analysis
- 03/2014 – 09/2015** **Traineeship**
T-Systems Hungary Ltd., Budapest, Hungary
Testing traffic controlling softwares/hardwares, setting up and updating Linux computers, testing various features of the public bike system of Budapest (MOL BuBi): back office and field-work, making reports, translation (English-Hungarian)

Honors and awards

- **II. Life Sciences Elevator Pitch Conference (Eötvös Lóránd Univ.), BSc section - I. place**
Budapest, Hungary, 05/03/2016.
- **XXXII. National Undergraduate Scientific Competition, Cell and molecular neurobiology section – Special award**
Pécs, Hungary, 04/2015
- **BioTDK Undergraduate Scientific Competition (Eötvös Lóránd Univ.), Neurobiology section - III. Place**
Budapest, Hungary, 11/2014

Memberships

03/2016 - Present

ELTE Bolyai College – Honorary Membership

Presentations

- **Cell-specific dissection of the thalamo-amygdalar circuitry (ENG)**
HuNDoC 2017 Conference, 19/09/2017, Pécs, Hungary
- **Identifying the neural circuitry underlying the regulation of the sleep-wake cycle (HUN)**
XVIII. Eötvös Conference, 28-29/04/2017, Budapest, Hungary
- **Specific investigation of distinct brain areas – old questions, new approaches (HUN)**
Audience award
XXI. Bolyai Conference, 19-20/03/2016, Budapest, Hungary

Scientific posters (first author)

- **The forebrain circuits of auditory fear conditioning: diversity and specificity of thalamus-amygdaloid pathways in the mouse**
FENS, 2017, Pécs, Hungary
Babiczky Á., Kanti V., Magyar A., Porrero C., Kocsis K., Garcia-Amado M., Hillier D., Yizhar O., Clascá F. Mátyás F.
- **Anatomical characterization of the limbic thalamic nuclei**
HuNDoC, 2016, Budapest, Hungary
Ákos Babiczky, César Porrero, Csaba Dávid, Boglárka Barsy, Ferenc Mátyás, László Acsády

Other courses

- **Cybersecurity and Its Ten Domains**
Coursera online course (official certificate)
Final score: 92,6%
20/11/2016
- **Experimental animals – animal experiments, „B” level course, Semmelweis University’s Institutional Animal Care and Use Committee**
The course entitled design of animal procedures and projects is approved by Hungarian National Scientific Ethical Committee on Animal Experimentation No. AB2.0/2015.
(60 theoretical + 20 practical hours)
09-26/11/2015

Languages

- **Hungarian** native language
- **English** C1
- **Spanish** B2 (without certificate)