

Kovács Beatrix

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 Budapest, 1135 Petneházy utca 61-63/A 4./30.

Education

PhD studies - Semmelweis University, János Szentágothai Doctoral School of Neurosciences (2020-)

Program: Functional Neurosciences

Research project: Broad and efficient gene expression via systemic gene delivery of engineered adeno-associated virus vectors in a preclinical species

Supervisor: Dr. Hillier Dániel

MSc degree in Biochemical Engineering, Budapest University Of Technology And Economics (2020)

Specialisation: Applied biotechnology

Thesis: Genetically targeted modulation of the functions of the visual system

Supervisor: Dr. Hillier Dániel

BSc degree in Biochemical Engineering, Budapest University Of Technology And Economics (2017)

Specialisation: Applied biotechnology

Thesis: Transgenic *C. elegans* strains to research of the regulatory relationship between HSF-1 and the endoplasmic reticulum stress response

Supervisor: Dr. Barna János

Language Skills

Hungarian: native speaker

English: B2 complex language exam

Professional Experience

Institute for Cognitive Neuroscience and Psychology, Research Centre for Natural Sciences (2019. 09.–)

Young research fellow

• *rAAV vector design* • *rAAV viral production* • *viral injection* • *surgeries* •

Transplantation Immunogenetics Laboratory, Hungarian National Blood Transfusion Service (2017. 03. – 2019. 08.)

Laboratory assistant

• *crossmatching for transplantation* • *HLA typing with Sequence-specific Primer (PCR-SSP) Technology and Sequence-specific Oligonucleotide (PCR-SSO) Technology* • *Luminex xMAP technology* • *anti-HLA antibody testing* •

Department of Genetics, Institute of Biology, Eötvös Loránd University (2014. 07. - 2016.06.)

Undergraduate research student

• *designing gfp reporter constructs* • *cloning with standard recombinant DNA technology* • *generating transgenic C. elegans by biolistic transformation* • *screening* • *maintenance of C. elegans strains* • *preparation of media and solutions* •