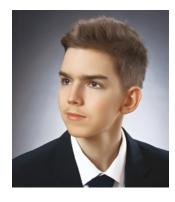
CSONGOR BENCE LUDÁNYI



National Academy of Scientist Education, 1st year University of Szeged Szent-Györgyi Albert Medical School, 2nd year

YEAR OF BIRTH:

2001

FORMER SZENT-GYÖRGYI PUPIL:

yes

SZENT-GYÖRGYI MENTOR:

Gábor Tamás

JUNIOR MENTOR:

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SPECIALIZATION:

Neurophysiology

SECONDARY SCHOOL:

Bolyai János Secondary Grammar School in Kecskemét

NAME OF TEACHER:

Éva Kemény Kothenczné, Dezső Sikó

LANGUAGES:

English/intermediate

IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

In the vertebrate central nervous system, the cerebral cortex processes sensory information, which, combined with memory and experience, creates complex behavior. Joining the ELKH-SZTE Cortical Microcircuits Research Group, I perform electrophysiological tests on samples from rodents and on human samples originate from neurosurgical operations using the in vitro patch clamp method. Our main goal is to investigate the basic functioning and synaptic connectivity of the neuronal networks present in the cerebral cortex, especially in the connections containing inhibitory GABAergic interneurons.

The less profession-specific goal of my research is the acquisition and development of general skills such as problem-solving ability, creativity, cooperation, professional humility, and respect for my experienced mentors and colleagues.

AMBITIONS AND CAREER GOALS

As a member of the ELKH-SZTE Cortical Microcircuits Research Group, my professional goal is to learn electrophysiological methods and their application in experiments. My further aim is to acquire a critical way of thinking through conducting experiments and by having professional consultations on them, which will later advance my service as a doctor.

HONORS AND PRIZES

PUBLICATIONS

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