

## TAMÁS ZSOLDOS



National Academy of Scientist Education, 2<sup>nd</sup> year

Semmelweis University  
Faculty of Medicine, 2<sup>nd</sup> year

### YEAR OF BIRTH

2004

### FORMER SZENT-GYÖRGYI PUPIL

no

### SZENT-GYÖRGYI MENTOR

Gábor Nyiri

### JUNIOR MENTOR

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### SPECIALIZATION

neuronal networks

### SECONDARY SCHOOL

Kazinczy Ferenc High School

### NAME OF TEACHER

Dóra Meggyesi

### LANGUAGES

English/C1  
German/C1

### IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

As a student researcher I am investigating the cortical pathways and their role in memory formation. In the brain, spatial and episodic memory cues are encoded in the hippocampus. Interneurons here play essential role in modulation and coordination of memory-formation. My goal is to gain deeper understanding of the subcortical modulation of these interneurons. Currently we are interested how the median raphe region contributes to the hippocampal functions. Our results are expected to contribute to a better understanding of memory processes and could help the development of treatment for memory problems.

### AMBITIONS AND CAREER GOALS

My primary goal in my research career is my own professional development. I would like to become as independent of a researcher as possible and be able to realise my own ideas to the fullest. I would like to further develop my skills in stereotaxic and optical fibre surgery as well as further my knowledge in the design of behavioural experiments. My long term goal would be to write and publish my own research results.

### HONORS AND PRIZES

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### PUBLICATIONS

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