

## ZSANNA GECSE



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

Semmelweis University  
Faculty of Medicine, 3<sup>rd</sup> year

### YEAR OF BIRTH

2002

### FORMER SZENT-GYÖRGYI PUPIL

no

### RESEARCH UNIT

Semmelweis University

### SZENT-GYÖRGYI MENTOR

Nándor Nagy

### JUNIOR MENTOR

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### SPECIALIZATION

stem cells,  
embryology,  
histology

### SECONDARY SCHOOL

Radnóti Miklós  
High School, Dunakeszi

### NAME OF TEACHER

Zita Vecserkáné Józsa

### LANGUAGES

English/advanced

### IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

The main goal of my research is the characterization of neural stem cells originated from the enteric nervous system, and a detailed understanding of their development and functioning. The enteric nervous system is responsible for the proper motility of the intestine, maintaining immune functions, and the normal rate of absorption and secretion as well. A deep knowledge of the operation of the enteric nervous system is therefore essential for a better understanding of congenital disorders such as Hirschsprung disease, in which part of the nervous elements are missing. My aim is to explore the possible stem cell therapy treatment of the disease to replace the current surgical removal of the uncolonized colon.

### AMBITIONS AND CAREER GOALS

Throughout my career, I always want to focus on making people's lives better, whether it's research or clinical work. My goal is to be able to provide help for those in need with high-quality medical knowledge behind my back. During my career, I want to always stay motivated and curious about new technologies and discoveries, so that I can become better and better in the field where I will eventually deepen my knowledge.

### HONORS AND PRIZES

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### PUBLICATIONS

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