

## CSENGE LILI JURENKA



National Academy of Scientist Education, 3<sup>rd</sup> year

Semmelweis University  
Faculty of Medicine, 4<sup>th</sup> year

**YEAR OF BIRTH**

2003

**FORMER SZENT-GYÖRGYI PUPIL**

no

**RESEARCH UNIT**

Semmelweis University

**SZENT-GYÖRGYI MENTOR**

Nándor Nagy

**JUNIOR MENTOR**

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**SPECIALIZATION**

theoretical and translational  
medicine

**SECONDARY SCHOOL**

Radnóti Miklós  
Practising Primary School  
and Practical High School of  
Eotvos Lorand University

**NAME OF TEACHER**

Dániel Pálinkó,  
Ágnes Molnár

**LANGUAGES**

English/intermediate

**IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH**

Hirschsprung disease is a congenital gastrointestinal disorder, that leads to problems in intestinal motility due to the partial absence of the enteric nervous system. The disorder affects 1 in 5000 newborns, and today the only therapy available is surgical removal of the affected area.

The enteric nervous system consists of neurons and glia cells derived from neural crest cells that migrate from the dorsal part of the neural tube to the intestinal wall in an early embryonic stage. The goal of my project is to block this migration in chicken embryos in vivo and create a avian organism modeling the disease. Such model could provide an opportunity to test stem cell transplantation.

**AMBITIONS AND CAREER GOALS**

According to my current idea of my career, my aim is to engage in both clinical and research work.

**HONORS AND PRIZES**

2024 Semmelweis University Students' Scientific Conference, 1<sup>st</sup> place

**PUBLICATIONS**

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