

CSENGE LILI JURENKA



National Academy of Scientist Education, 3rd year

Semmelweis University
Faculty of Medicine, 3rd 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, 1st place

PUBLICATIONS

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