

ANITA VARGA



National Academy of Scientist Education, 1st year

Semmelweis University
Faculty of Medicine, 2nd year

YEAR OF BIRTH

2001

FORMER SZENT-GYÖRGYI PUPIL

no

SZENT-GYÖRGYI MENTOR

László Csanády

JUNIOR MENTOR

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SPECIALIZATION

molecular biophysics,
biochemistry

SECONDARY SCHOOL

Révai Miklós High School
and College

NAME OF TEACHER

Judit Gyalókai

LANGUAGES

English/B2
German/B2

IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

Cystic fibrosis, one of the most common monogenic disease, is caused by the mutation of the CFTR ion channel. Besides the major pathogenic mutation there are several other, less common mutations which can not be treated by the present applied drugs efficiently. Understanding the changed kinetic behavior and with the help of it finding a more suitable treatment for these rare mutations are the aims of the research group. We use genetically mutated CFTR ion channels to examine their kinetics with a voltage clamp method.

AMBITIONS AND CAREER GOALS

During my studies, I try to get a wider eyeblick into the natural sciences as well as into medicine. The research work is a great opportunity the get both, it gives me not just academic, but also practical experiences. In my research my aim is to find a chance for a more effective treatment in cystic fibrosis, because in the end I would like to help as many people as I can.

HONORS AND PRIZES

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PUBLICATIONS

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