

ANNA TÁCIA FÜLÖP



National Scientists Academy, 3rd year

University of Szeged,
Faculty of Science and Informatics,
Molecular Bionics Engineer Program, 3rd year

YEAR OF BIRTH:

1999

FORMER SZENT-GYÖRGYI PUPIL:

yes

SZENT-GYÖRGYI MENTOR:

Csaba Pál

JUNIOR MENTOR

Máté Manczinger

SPECIALIZATION:

immunology,
bioinformatics, bionics

SECONDARY SCHOOL:

Fazekas Mihály Primary and
Secondary Grammar School,
Budapest

NAME OF TEACHER:

Zsolt Erős-Honti

LANGUAGES:

English/advanced
French/intermediate

IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

HLA molecules are essential in immune recognition, because they present short peptides to T cells. HLA-encoding genes are the most variable ones in the human genome. Using bioinformatics, we investigate the possible relationships between the peptide binding properties of different HLA variants and certain diseases (e.g. different tumours). We also aim to explain the molecular background of these associations.

AMBITIONS AND CAREER GOALS

After the current Bachelor's degree, I would like to continue my Master's degree and then to obtain a PhD degree. After graduating, I would like to join an international research team at a Hungarian university or research institute.

HONORS AND PRIZES

2019 - OKTV Biology, 1st prize
2019 - Dr. Árokszállásy Zoltán Biology Competition, 1st prize
2018 - OKTV Biology, 2nd prize
2018 - International Linguistics Olympiad, Prague, contestant

PUBLICATIONS

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