

VIKTÓRIA KOVÁCS



National Academy of Scientist Education, 2nd year

Semmelweis University
Faculty of Medicine, 2nd year

YEAR OF BIRTH

2005

FORMER SZENT-GYÖRGYI PUPIL

yes

SZENT-GYÖRGYI MENTOR

Attila Patócs

JUNIOR MENTOR

Anikó Bozsik

SPECIALIZATION

molecular genetics,
clinical genetics,
oncogenetics

SECONDARY SCHOOL

Radnoti Miklos
Experimental Grammar
School

NAME OF TEACHER

Sandor Ban

LANGUAGES

English/C1
German/B2

IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

In patients with hereditary cancer syndrome, germline genetic testing is of paramount importance, both for the selection of appropriate therapy and for screening of currently healthy relatives and further family planning. The genetic testing carried out generates a wealth of genomic data from which, with skilled processing, further significant correlations can be obtained and fed back into the system, for example for drug development. A more distant goal of my research is to use variant classification algorithms to classify variation in tumour suppressor genes using large amounts of oncogenomic data.

AMBITIONS AND CAREER GOALS

Through my scientific work within the National Academy of Scientist Education, I would like to contribute to the further functional understanding of tumours by publishing data and results obtained in the laboratory and using data science techniques. My current work is guided by the application of RNA-based methods, transcriptome analysis.

HONORS AND PRIZES

Biology OKTV 2021/2022 14th place
Biology OKTV 2022/2023 4th place
National Innovation Competition 1st place
International Genetically Engineered Machine (iGEM) Competition 2021 Gold medal

PUBLICATIONS

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