

FANNI DZSUBÁK



National Academy of Scientist Education, 3rd year

University of Szeged
Szent-Györgyi Albert Medical School, 3rd year

YEAR OF BIRTH

2004

FORMER SZENT-GYÖRGYI PUPIL

yes

RESEARCH UNIT

University of Szeged

SZENT-GYÖRGYI MENTOR

Tibor Pankotai

JUNIOR MENTOR

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SPECIALIZATION

molecular biology,
bioinformatics

SECONDARY SCHOOL

Verseghy Ferenc High
School

NAME OF TEACHER

Mária Szálvik,
Zsuzsanna Balázs

LANGUAGES

German/advanced
English/intermediate

IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

Tumor diseases are the leading cause of death in most of the countries. In order to treat them effectively their early detection and proper, targeted treatment is crucial. In the last years with the development of DNA-based diagnostic methods it became possible to identify the mutations occurring in individual tumors. It is possible to extract DNA and RNA from non-invasive samples, such as serum diagnostics, which can be used for new generation sequencing. Our goal is to determine the gene expression patterns of individual tumor samples using methods from bioinformatics. By knowing the alterations, it is possible to apply specific and therefore more effective drug treatment. Determining the most effective treatment is of particular importance in personalized therapy, since unwanted side effects can be eliminated in this way, and as a result, the outcome of the disease can be significantly improved.

AMBITIONS AND CAREER GOALS

My main goal is that after graduating from medical university, I become a doctor with the appropriate professional knowledge, while continuing the research activity, in order to help people and contribute to their recovery. On the way to attain this, I should acquire as much knowledge as possible, which is essential for achieving my goals, and the Szent-Györgyi program provides an excellent opportunity for this.

HONORS AND PRIZES

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PUBLICATIONS

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