

ANNA GEORGINA KOPASZ



National Academy of Scientist Education, 6th year

University of Szeged,
Faculty of Science and Informatics,
Biology MSc 2nd year

YEAR OF BIRTH:

1998

FORMER SZENT-GYÖRGYI PUPIL:

yes

SZENT-GYÖRGYI MENTOR:

Lajos Mátés

JUNIOR MENTOR:

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SPECIALIZATION:

cancer biology

SECONDARY SCHOOL:

Radnóti Miklós
Experimental Grammar
School, Szeged

NAME OF TEACHER:

Viktória Gál

LANGUAGES:

English/advanced

IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

Nowadays cancer is the leading cause of death in economically developed countries. The contraction of cancer can be considered as an evolutionary process within our bodies. The tumor genome sequence data collected so far show that there are tens or even hundreds of thousands of mutations in each tumor sample, and the spontaneous mutation rate observed in normal cells is not sufficient to account for the high number of mutations found in cancers. However, it is this very instability of their genetic material that may allow cancer cells to generate an enormous number of mutations. The long-term objective of our laboratory is to explore genetic alterations fueling malignant transformation by undermining the stability of the genome.

AMBITIONS AND CAREER GOALS

After obtaining my MSc degree, I plan to continue my studies and my research work as a PhD student. By earning my PhD degree, I would like to master a broad range of molecular biological techniques and their biological bases. As a postdoctoral researcher, I hope I will have the chance to spend some years abroad before I can establish my own research group.

HONORS AND PRIZES

2021 – SZTE Talent of the Year Scholarship
2021 - Forum for Young RNA Investigators – Best Presenter Award
2021 - SZTE József Sófi Foundation scholarship, biology MSc category, 1st prize
2020 - 4th National Conference of Young Biotechnologists, Best Presenter Award of the Animal Biotechnology Section, and the Special prize of the Committee on Agricultural Biotechnology of the MTA Section of Agricultural Sciences
2020 - XXIII. Spring Wind Conference, Interdisciplinary Medical Sciences Section, 1st prize
2020 - Annual Scientific Students' Associations Conference, 1st prize
2019 - Annual Scientific Students' Associations Conference, special prize

PUBLICATIONS

Kopasz, A. G. (2021), Optimization of RNA interference-based gene silencing using a well-balanced bidirectional promoter in a somatic transgenic mouse model, Young Investigators RNA Forum, presentation and abstract.

Kopasz, A. G. (2020), Establishment of an RNA interference based gene silencing system in a somatically transgenic mouse model, IV National Conference of Young Biotechnologists, presentation and abstract.

Kopasz, A. G., Pusztai, D. Z., Karkas, R., Hudoba, L., Abdullah, K., Imre, G., Pankotai-Bodó, G., Migh, E., Nagy, A., Kriston, A., Germán, P., Drubi, A. B., Molnár, A., Fekete, I., Dani, V. É., Ocsosvzki, I., Puskás, L. G., Horváth, P., Sükösd, F., Mátés, L. (2022) A versatile transposon-based technology to generate loss- and gain-of-function phenotypes in the mouse liver. *BMC Biology* 20: 74.