GERGŐ DÁVID SVORENJ



National Academy of Scientist Education, 5th year

University of Szeged,
Albert Szent-Györgyi Medical School, 5th year

YEAR OF BIRTH

2003

FORMER SZENT-GYÖRGYI PUPIL

no

RESEARCH UNIT

University of Szeged

SZENT-GYÖRGYI MENTOR

Attila Gácser

JUNIOR MENTOR

Renáta Tóth

SPECIALIZATION

microbiology, immunology

SECONDARY SCHOOL

Németh László High School, Budapest

NAME OF TEACHER

Péter Zagyi

LANGUAGES

English/intermediate

IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

My research topic is based on recent observations, that inform us about the fact that besides the growing number of fungal infections, caused by Candida species, they also contribute to the progression of certain diseases. One such disease is oral squamous cell carcinoma. It has been shown that the presence of certain Candida species, such as C. albicans, the migration and potentially invasive properties of tumor cells increase following the tumor-microbe contact. The current aim of the research group, and my project as well, is to further investigate this phenomenon and to examine what molecular processes could be responsible for this effect. Identification of such processes will lead to better understanding of the complexity of microbe-tumor interactions, and may contribute to health care advancements. Understanding of these mechanisms may contribute to the development of novel therapeutic methods.

AMBITIONS AND CAREER GOALS

My ultimate aim is to achieve proper fundamentals regarding my research field, as well as to gain in-depth insights and deep knowledge into the research field of immunology and microbiology. My long-term plans enhance after every single goal achieved, the sky is the only limit. My current aim is to join the scientific community, acquire all of the basic skills needed for fundamental research, participate in a project, learn how to interpret the results and how to insert them in the current standing of the research topic.

HONORS AND PRIZES

2025 Romhányi György Konferencia: 2nd place

2025 OTDK: Special jury award

2024 TDK: 1st place

PUBLICATIONS

Novák, Á., Zajta, E., Csikós, M., Halmos, E., Horváth, M., Tildy, O., Szekeres, A., **Svorenj, G.**, Gémes, N., Szebeni, G. J., Tóth, R., & Gácser, A. (2025). Comprehensive analysis of human keratinocyte interactions with Candida albicans and Candida parapsilosis. **Virulence 16(1):** 2532815.

Ámon, J., Nemuuzaya, S., Alczheimer, K., Kocsubé, S., Farkas, Z., **Svorenj, G.**, Gácser, A., Tyagi, C., Kozma-Bognár, L., & Hamari, Z. (2025). A non-canonical fungal peroxisome PTS-1 signal, SYM, and its evolutionary aspects. **Sci Rep 15(1)**: 28088.