

ZSÓFIA TÓTH



Radnóti Miklós Experimental Grammar School Szeged

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TEACHING CAREER IN BRIEF

I completed my university studies at the University of Szeged, where I earned a Bachelor's (BSc) and subsequently a Master's (MSc) degree in Biology at the Faculty of Science and Informatics. During my BSc and MSc studies, I participated in the work of world-class research groups as part of the NTA Szent-Györgyi Student Scholarship Programme. After completing my Master's degree in Biology, I began doctoral studies at the Doctoral School of Biology at the University of Szeged, where my research was focused on microbiology and immunology. Through laboratory work, I gained extensive experience in cultivation of human cell lines and microorganisms, as well as in the application of molecular biology, cell biology, and immunological techniques. Motivated by a long-standing interest in education, I decided to pursue a career change after beginning my PhD studies and obtained a Master's degree in Education at the University of Szeged. During this programme, I worked as a part-time teacher at my former alma mater, the Radnóti Miklós Experimental Grammar School of Szeged. In the summer of 2025, I had the opportunity to gain teaching experience in an international environment by supporting high school students' participation in scientific research within the SRSI programme at King Abdullah University of Science and Technology (KAUST). In addition, thanks to the EMBL Laboratory, I had the opportunity to participate in further training in microscopy and cell biology in Hungary and Heidelberg. My experiences have reinforced my belief that the combination of research expertise and pedagogical awareness can lead to truly effective science education. My experience in research as a former Szent-Györgyi pupil and student has motivated me to join the programme as a Senior Teacher. In my teaching practice, my goal is not only to impart factual knowledge, but also to help students understand the essence of biological thinking and inspire them to pursue a career in science.

PUBLICATIONS

Chakraborty, T., **Tóth, Z.**, Tóth, R., Vágvölgyi, C., Gácsér, A. (2020) Iron Metabolism, Pseudohypha Production, and Biofilm Formation through a Multicopper Oxidase in the Human-Pathogenic Fungus *Candida parapsilosis*. **mSphere** **5(3)**: e00227-20.