DOROTTYA ANNA SZAFIÁN



National Academy of Scientist Education, 4th year

University of Szeged
Faculty of Science and Informatics, Biology, 4th year

YEAR OF BIRTH

2002

FORMER SZENT-GYÖRGYI PUPIL

no

RESEARCH UNIT

HUN-REN Biological Research Centre

SZENT-GYÖRGYI MENTOR

László Nagy

JUNIOR MENTOR

Máté Virágh

SPECIALIZATION

fungal genomics

SECONDARY SCHOOL

Jurisich Miklós Secondary Grammar School and Hostel

NAME OF TEACHER

Krisztina Horváth,
Fruzsina Keszei,
Andrea Bancsó

LANGUAGES

English/intermediate
German/intermediate

IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

Although fungi are amazing creatures, outstandingly important from a human point of view in healthcare, nutrition, or industrial fields, until now their evolution and morphogenesis is surprisingly poorly understood. Getting to know them better can open up a range of biotechnological applications. As a member of the Lendület Fungal Genomics and Evolution Group, I investigate the regulatory effect of conserved transcription factors on the development of complex multicellular structures in mushroom-forming fungi.

AMBITIONS AND CAREER GOALS

Within the framework of the program of the National Academy of Scientist Education, I can be a member of a fantastic research group that examines several different topics and uses diverse methods, of which I would like to get to know and learn as much as possible, to become a useful member of the group, and to be able to use the knowledge and experience acquired here in my future projects.

HONORS AND PRIZES

2025 OTDK Special award - Molecular genetics

PUBLICATIONS

Drummond-Herdman, A., Malysheva, E., Jakob, S., **Szafián, D.A.**, Nagy, L.G. (2026). A new species and a new record of Bolbitius (Bolbitiaceae, Agaricales) from Scotland and Britain. **Phytotaxa 733(2):** 155–171.