

SZUZINA FAZEKAS



National Scientists Academy, 6th year

University of Szeged,
Albert Szent-Györgyi Medical School, 6th year

YEAR OF BIRTH:

1997

FORMER SZENT-GYÖRGYI PUPIL:

no

SZENT-GYÖRGYI MENTOR:

Anikó Keller-Pintér

SPECIALIZATION:

skeletal muscle
regeneration, cell migration,
exosomes

SECONDARY SCHOOL:

Radnóti Miklós
Experimental Grammar
School, Szeged

NAME OF TEACHER:

Ádám Zoltán Seres
Tamás Mező
Gábor Ábrahám
István Tígyi

LANGUAGES:

English/advanced
Spanish/intermediate
Russian/intermediate

IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

I have always been interested in Natural Sciences, I knew from the start that I wanted to do research later. I have always been amazed by the complexity and mystery of the human body: understanding how it works from the smallest parts to the whole is one of the most interesting questions I know.

The Szent-Györgyi Research Program gave me an opportunity to join the skeletal muscle adaptation research group of the Department of Biochemistry. The institute follows the muscle research traditions of the Szent-Györgyi school. The aim is to understand the molecular mechanisms of the skeletal muscle regeneration and adaptation, and our findings could have clinical applicability later.

AMBITIONS AND CAREER GOALS

During my medical career my primary aim is to become a good doctor and meet the highest scientific expectations. While researching, I am eager to use my obtained knowledge and also widen my scientific perspective. I believe it is desirable to begin the scientists' and doctors' lifelong learning as early as possible.

HONORS AND PRIZES

2021 - National Scientific Students' Associations Conference (OTDK), Special prize
2020 - Scientific Students' Associations Conference (TDK), Szeged, 2nd prize
2019 - National Scientific Students' Associations Conference (OTDK), Special prize
2019 - Scientific Students' Associations Conference (TDK), Szeged, 1st prize
2018 - XXV. Scientific Students' Associations Conference (TDK), Targu Mures,
Special award
2018 - Korányi Frigyes Scientific Forum, 1st prize
2017 - Scientific Student Conference, Szeged, 1st prize
2016 - OKTV Biology, 37th place

PUBLICATIONS

Becsky, D., Szabo, K., **Gyulai-Nagy, S.**, Gajdos, T., Bartos, Z., Balind, A., Dux, L., Horvath, P., Erdelyi, M., Homolya, L., Keller-Pinter, A. (2020) Syndecan-4 Modulates Cell Polarity and Migration by Influencing Centrosome Positioning and Intracellular Calcium Distribution. **Front Cell Dev Biol** 8: 575227.

Becsky, D.*, **Gyulai-Nagy, S.***, Balind, A., Horvath, P., Dux, L., Keller-Pinter, A. (2020) Myoblast Migration and Directional Persistence Affected by Syndecan-4-Mediated Tiam-1 Expression and Distribution. **Int J Mol Sci** 21: 823. *társ-elsőszerzők

Keller-Pinter, A., **Gyulai-Nagy, S.**, Becsky, D., Dux, L., Rovo, L. (2021) Syndecan-4 in Tumor Cell Motility. **Cancers** 13: 3322.