

## DÓRA JULIANNA SZABÓ



National Academy of Scientist Education, 4<sup>th</sup> year

University of Szeged,  
Albert Szent-Györgyi Medical School, 4<sup>th</sup> year

### YEAR OF BIRTH

2002

### FORMER SZENT-GYÖRGYI PUPIL

yes

### RESEARCH UNIT

University of Szeged

### SZENT-GYÖRGYI MENTOR

Anikó Keller-Pintér

### JUNIOR MENTOR

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### SPECIALIZATION

skeletal muscle

### SECONDARY SCHOOL

ELTE Bolyai János Practising  
Primary and Secondary  
School, Szombathely

### NAME OF TEACHER

József Baranyai,  
Bence Farkas Szabó

### LANGUAGES

English/advanced  
German/intermediate

### IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

Skeletal muscle demonstrates a high degree of regenerative capacity repeating the embryonic myogenic program. The impairment of this program is the cause of numerous illnesses. One of them, is the rhabdomyosarcoma, which is the most common sarcoma in childhood. Our research team works on understanding the physiological and pathological molecular background of this regeneration program. At present, syndecan-4 is observed the most, which is a transmembrane protein, that contributes to several mechanisms, like cell adhesion and migration, cell proliferation or cytokinesis, therefore tumorigenesis. By unfolding the role of syndecan-4, we could get closer to understanding the illnesses regarding the skeletal muscle, and also to their successful treatment.

### AMBITIONS AND CAREER GOALS

As a Szent-Györgyi student, I have the opportunity to get an insight into the world of researches, improve in a motivating environment and broaden my knowledge, as well as challenge myself day by day. After finishing medical school, I would like to do my PhD, then work as a biomedical researcher.

### HONORS AND PRIZES

2021 Biology OKTV 32<sup>nd</sup> place  
2021 Ifjú Tudósok, biology 9<sup>th</sup> place  
2019 Tehetségek Magyarországára scholarship

### PUBLICATIONS

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