

ZSÓFIA ILONA PISZMAN



National Academy of Scientist Education, 3rd year

University of Szeged
Faculty of Pharmacy, 4th year

YEAR OF BIRTH

2003

FORMER SZENT-GYÖRGYI PUPIL

no

RESEARCH UNIT

University of Szeged

SZENT-GYÖRGYI MENTOR

Rita Ambrus

JUNIOR MENTOR

Petra Party

SPECIALIZATION

pharmaceutical technology

SECONDARY SCHOOL

Szilady Aron Secondary School

NAME OF TEACHER

Anita Kis Gavlikné,
Andrea Paska Nagy-
Kálóziné

LANGUAGES

English/advanced

IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

Today, one of the leading causes of death worldwide are chronic lung diseases, including COPD (chronic obstructive pulmonary disease) and pneumonia, both taking millions of lives every year. Other lung diseases, such as cystic fibrosis and asthma can significantly worsen the quality of life of people suffering from the disease and shorten their life expectancy. It is key to develop effective and modern therapies for the treatment of the diseases. Nanotechnology and nanomedicines are a promising sector of innovative drug development. The goal of our research is to find new and effective therapies for the treatment of lung diseases, using nano- and micro particles and targeting pulmonal delivery. The advantages of inhalations compared to traditional oral administration are for example targeted drug delivery and lowered drug doses, therefore moderate systemic side effects.

AMBITIONS AND CAREER GOALS

As a pharmacy student, it is important to me to get to know the world of scientific research during my university studies and to acquire competences and experiences that can be beneficial later in my carrier as researcher. My goal is to contribute to the development of new and innovative formulations with my future work and research as a pharmacist, that can later be used as medicine to effectively improve patients' conditions, thus ensuring a better life for them.

HONORS AND PRIZES

- 2020 National Secondary School Academic Competition Biology II. category 35. place
- 2021 National Secondary School Academic Competition Chemistry II. category 26. place
- 2021 Young scientists - High school science contest - Chemistry - place in the national top 8
- 2023 National Higher Education Scholarship
- 2023 New National Excellence Programme scholarship
- 2023 Scientific Students' Associations Conference, University of Szeged, Faculty of Pharmacy, 1st prize

PUBLICATIONS

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