

# ZSÓFIA ILONA PISZMAN



National Academy of Scientist Education, 1<sup>st</sup> year

University of Szeged  
Faculty of Pharmacy, 2<sup>nd</sup> year

## YEAR OF BIRTH:

2003

## FORMER SZENT-GYÖRGYI PUPIL:

no

## SZENT-GYÖRGYI MENTOR:

Rita Ambrus

## JUNIOR MENTOR:

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## 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

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## PUBLICATIONS

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