

PETRA METTA CSIKÓS



National Academy of Scientist Education, 4th year

Semmelweis University
Faculty of Medicine, 4th year

YEAR OF BIRTH

2000

FORMER SZENT-GYÖRGYI PUPIL

no

SZENT-GYÖRGYI MENTOR

Nikolett Wohner

JUNIOR MENTOR

-

SPECIALIZATION

biochemistry

SECONDARY SCHOOL

Imre Madách Secondary School

NAME OF TEACHER

Beáta Malatinszky

LANGUAGES

English / C1
German / B2

IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

Our research group is investigating the effect of tranexamic acid on thrombus formation. Tranexamic acid is a widely used antifibrinolytic agent, employed daily in various medical specialties, such as gynecology, orthopedics, and hematology. A common characteristic of antifibrinolytic agents is their potential to increase the risk of thrombosis. Surprisingly, based on our animal experimental results, tranexamic acid does not increase the risk of thrombosis and has even been reported to have a beneficial effect in acute myocardial infarction. Our research group aims to explore the molecular background of this phenomenon. Our research findings may open the door for the use of this drug in individuals with an increased risk of thromboembolism.

AMBITIONS AND CAREER GOALS

My goal is to fully immerse myself in research and extensively expand my knowledge. With this objective in view, I am enthusiastic about starting my MD-PhD studies during my fifth year as an undergraduate student. I believe that research has nurtured in me an inquisitive and analytical mindset, qualities that are paramount for both a physician and a researcher. Furthermore, I am determined to continue my engagement in research activities as a medical practitioner following the completion of my education.

HONORS AND PRIZES

2024 local TDK conference 2nd place
2024 local TDK conference 3rd place (as a co-author)
2023 local TDK conference 3. place (as a co-author)
2023 national TDK conference special prize (as a co-author)

PUBLICATIONS

Raska, A.¹, Kálmán, K.¹, Egri, B.², **Csikós, P.²**, Beinrohr, L.², Szabó, L.³, Tenekedjiev, K.⁴, Nikolova, N.⁵, Longstaff, C.⁶, Roberts, I.⁷, Kolev, K.², Wohner, N.⁸ Synergism of red blood cells and tranexamic acid in the inhibition of fibrinolysis. **J Thromb Haemost**