

(From left to right: Miss Anett, Buket, Hansel, and Prof Rita)

Experience Report by an IISMA Student Studying at the Faculty of Pharmacy University of Szeged

"If I have seen further, it is by standing on the shoulders of giants."- Sir Isaac Newton

Hello! My name is Hansel Alexander, a pharmacy student from Universitas Airlangga, Indonesia. From September 2024 to February 2025, I had the privilege of studying at University of Szeged through Indonesian International Students Mobility Awards (IISMA).

My experience aligns closely with Newton's words as my academic journey in Szeged was shaped by knowledge, mentorship, and collaboration within the university's academic community.

Joining the Research Community

One of the highlights of my exchange was participating in a research project at the Institute of Pharmaceutical Technology. I first learned about the opportunity through a science fair where various research topics were introduced. It was originally intended for Hungarian students as it was conducted in Hungarian language, but I managed my way in with my limited Magyar skills (by that I mean I can only say nem or igen).

It was in this fair, I received a paper stating many incoming research projects. Among them, a topic related to the cyclodextrin complex caught my attention. This topic was related to my proposed bachelor thesis idea which my Indonesian supervisors and I had discussed and I have done a little bit of exploration in the lab before my departure to Szeged.

So I talked with one of the lecturers, it was Dr. Tamás Sovány who connected me to Professor Rita Ambrus and Miss Anett Motzwickler-Németh. Under their supervision, I worked on a project aimed at improving the dissolution of clopidogrel bisulphate through a Sulfobutylether-β-cyclodextrin complex.

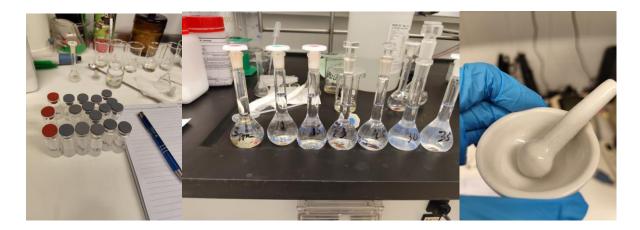
Goo	ogle translate to the rescue
	GYTK TDK Stock Exchange 2024
Topic leader	Topic
	itute of Pharmacology and Biopharmaceutics
	Investigation of the drug prevention of premature birth
	Investigation of the effects of obesity on human
Dr. Eszter Ducza	and rat drug transporters
	Examination of the effects of plant derivatives on ovulation Examination of drug therapy for pregnancy complications
Dr. Renata Minorics	In vitro oncopharmacology (from the spring semester)
	Examination of the pharmacokinetic properties of antihistamines
Dr. Anita Stojkov-Ivanov	rat in pregnancy
Prof. Dr. István Zupkó	In vitro oncopharmacology
	Institute of Clinical Pharmacy
Prof. Dr. Dezső Csupor	Analysis of quality control data of dietary supplements
	How well do patients know their chronically taken medications?
Dr. Zsófia Engi and	are they willing to part with them if they are not really necessary?
Dr. Mävis Matuz	Questionnaire survey of drug knowledge and attitude towards drug fiber
	among chronic patients Complementary and alternative medicine during pregnancy
Dr. Barbara Tóth	Lifestyle characteristics of domestic pregnant women and
	health behavior
Community and and and and	Institute of Medicinal Chemistry
Dr. Mário Attila Remete	Synthesis of new hydroxylated B-amino acid derivatives by selenium chemistry
the second second second	Pharmacognosy Institute
	Based on consultation and interest
loctitute of l	Dharmacautical Technology and Dharmacautical Supervision
Prof. Dr. Rita Ambrus and	Pharmaceutical Technology and Pharmaceutical Supervision Stabilization of cefazolin against photodegradation by complexation with
Anett Motzwickler Nemeth	cyclodextrins.
Dr. Szilvia Berkó	The effect of semi-solid preparation bases (creams, gels)
	on skin physiological parameters (hydration, barrier) in vivo
	investigation Formulation of nanocarriers containing RNA for intranasal administration
Dr. Gábor Katona	Formulation of nanocarriers containing room of intranasal administration
Dr. Bence Sipos	Development of polymer micelles as innovative
	nanocarriers for nasal application
Dr. Tomás Swanu	Development of mesoporous silica supports with improved

Laboratory Experience

The University of Szeged provided a welcoming and intellectually stimulating research environment. On my first day, I presented my previous work, and Professor Rita encouraged me to continue developing it within the institute. Her mentorship was invaluable—she was approachable, provided insightful feedback, and fostered an open exchange of ideas.

Miss Anett was an excellent guide in the lab, offering clear instructions and extensive references. She encouraged viewing unexpected results as learning opportunities, reinforcing the importance of curiosity and persistence in research. Additionally, I am

grateful for the skilled and supportive lab technicians, including Balazs, Klara, Erika, Laszlo, and Eva, who greatly assisted me throughout my work.



Presenting at the Symposium

Despite my limited time in the research project, I had the opportunity to present my findings at the Symposium of Young Researchers on Pharmaceutical Technology, Biotechnology, and Regulatory Affairs. This experience allowed me to engage with young scientists from neighboring countries, exchange insights, and further refine my research approach. More importantly, the collaboration continues as I plan to bring my research back to Indonesia for further study.



Conclusions

My time at the University of Szeged demonstrates the essence of learning through mentorship and collaboration. The experience not only deepened my understanding of pharmaceutical technology but also strengthened my resilience, curiosity, and ability to work in a culturally diverse setting. As I continue my academic journey, I carry forward both scientific knowledge and the invaluable lessons gained from working alongside dedicated mentors and peers. **Viszontlátásra!**