

## To the Pro Scientia Award Committee of the OTDT,

It is with great enthusiasm that I recommend Jessica Seetge (Neptun ID: TU38A1), a sixth-year medical student at the University of Pécs, Faculty of Medicine, for the prestigious Pro Scientia Gold Medal. Throughout her medical studies, Jessica has consistently demonstrated outstanding academic performance, scientific dedication, and impactful leadership. She is currently completing her final year with a GPA of 5.0, and her projected final GPA of 4.89 qualifies her for graduation *summa cum laude*.

Jessica's scientific journey began in the Department of Pharmacology under the supervision of Dr. Viktória Kormos in the summer semester of 2020. Since the winter semester of 2023/2024, she has been actively involved in translational research in the Department of Neurology, working under the mentorship of Professor Dr. László Szapáry. Her current research focuses on acute ischemic stroke management in patients treated with direct oral anticoagulants, integrating real-world clinical data, point-of-care diagnostics, and outcome analysis.

Her scholarly excellence has been recognized with numerous awards, including:

- 1<sup>st</sup> Prize – Dean's Competition for Student Researcher Society Essays (Nov 2022, University of Pécs)
- 1<sup>st</sup> Prize – TDK Conference (Feb 2023, University of Pécs)
- 1<sup>st</sup> Prize – 4<sup>th</sup> PhD and Student Researcher Society Conference of the Centre for Neuroscience (Mar 2023, University of Pécs)
- Participation – 36th OTDK Conference (Apr 2023, Semmelweis University, Budapest)
- 1<sup>st</sup> Prize – TDK Conference (Nov 2023, University of Pécs)
- 2<sup>nd</sup> Prize – TDK Conference (Nov 2024, University of Pécs)
- 1<sup>st</sup> Prize & Special Award – 37th OTDK Conference (Apr 2025, University of Pécs)

Jessica's work has also received international recognition, with accepted poster presentations at the following prestigious conferences:

- European Stroke Organisation Conference (2024, Basel and 2025, Helsinki)
- 14<sup>th</sup> International Conference on Neurological Disorders & Stroke (Oct 2024, Zurich)
- 7<sup>th</sup> ESC Council on Stroke Annual Conference (Nov 2024, Athens)
- 24<sup>th</sup> DIVI Congress – German Interdisciplinary Association for Intensive and Emergency Medicine (Dec 2024, Berlin)

She is the first author of six peer-reviewed publications in respected international journals:

1. Seetge, J., Cséke, B., Karádi, Z. N., Bosnyák, E., & Szapáry, L. (2024). *Bridging the Gap: Improving Acute Ischemic Stroke Outcomes with Intravenous Thrombolysis Prior to Mechanical Thrombectomy*. *Neurology International*, 16(6), 1189–1202. <https://doi.org/10.3390/neurolint16060090>
2. Seetge, J., Cséke, B., Karádi, Z. N., Bosnyák, E., & Szapáry, L. (2024). *Beyond Anticoagulation: Limitations of Oral Anticoagulants in Preventing Stroke Recurrence in Atrial Fibrillation*. *Journal of Clinical Medicine*, 13(23), 7309. <https://doi.org/10.3390/jcm13237309>
3. Seetge, J., Cséke, B., Karádi, Z. N., Szalai, E., Gaál, V., & Szapáry, L. (2025). *Subsequent Acute Ischemic Stroke in a Patient with Monocular Vision Loss Associated with Isolated Internal Carotid Artery Occlusion: A Case Report*. *Neurology International*, 17(1), 3. <https://doi.org/10.3390/neurolint17010003>
4. Seetge, J., Cséke, B., Karádi, Z. N., Bosnyák, E., & Szapáry, L. (2025). *Stroke-SCORE: Personalizing Acute Ischemic Stroke Treatment to Improve Patient Outcomes*. *Journal of Personalized Medicine*, 15(1), 18. <https://doi.org/10.3390/jpm15010018>
5. Seetge, J., Cséke, B., Karádi, Z. N., Bosnyák, E., & Szapáry, L. (2025). *Pre-Admission Antiplatelet Therapy in Cryptogenic Stroke: A Double-Edged Sword*. *Journal of Clinical Medicine*, 14(4), 1061. <https://doi.org/10.3390/jcm14041061>

6. Seetge, J., Cséke, B., Karádi, Z. N., Bosnyák, E., & Szapáry, L. (2025). *Shifting Outcomes: Superior Functional Recovery in Embolic Stroke of Undetermined Source Compared to Cardioembolic Stroke*. *Neurology International*, 17(3), 35. <https://doi.org/10.3390/neurolint17030035>

Two additional manuscripts are currently under review in *BMC Neurology*:

- *Putting DOAC Doubts to Bed(side): Point-of-Care ClotPro® Testing Confirms Comparable Functional Outcomes in Anticoagulated and Non-Anticoagulated Stroke Patients*
- *Trick or Treat(ment): Should We Still Fear Reperfusion Therapy in Anticoagulated Stroke Patients?*

Jessica has also demonstrated consistent dedication to academic life beyond her research. Since February 2020, she has served as a teaching assistant in the Circle of Demonstrators (DDK) at our faculty. Additionally, she has held a leadership position in the Undergraduate Research Society (TDT) since September 2022, contributing actively to conference organization and student mentorship.

In February 2024, Jessica began an MD/PhD track and will transition to full-time doctoral research in September 2024 under the supervision of Prof. Dr. Szapáry. Her dissertation is entitled: “*Personalized acute ischemic stroke management in the era of antithrombotic complexity: From risk stratification to reperfusion strategies.*” She is currently finalizing a manuscript titled: “*Point-of-Care ClotPro® Viscoelastic Testing to Guide Intravenous Thrombolysis in Acute Ischemic Stroke Patients on DOACs: A Proof-of-Concept Study.*”

In parallel with her doctoral work, Jessica plans to begin clinical practice as an emergency physician in Hungary, continuing her translational research in neurovascular medicine at the interface of individualized stroke care and real-world application.

In view of her outstanding academic record, research productivity, and dedication to medical science, I strongly and without reservation recommend Jessica Seetge for the Pro Scientia Gold Medal.

Sincerely,

Prof. Dr. Pintér Erika  
Chair, Faculty TDT  
University of Pécs, Faculty of Medicine

