

Ivan Petrović

DOB 15/09/1999 | **Driving Licence:** class B
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Education

PhD Studies (Medical Imaging): Medical University of Vienna, September 2025-
Vienna

Senior supervisor: *Ao.Univ.Prof.ⁱⁿ Dr.ⁱⁿ med.univ. Ekaterina Pataraia*, MBA
Junior supervisor: *Dr. Bernhard Strasser*

PhD Studies: Faculty of Medicine, University of Novi Sad, November 2024- September 2025
Novi Sad

Medical Doctor: Medicine, Faculty of Medicine, University of Novi Sad, July 2018 – July 2024
Novi Sad

- GPA 10.00/10.00
- Scholarship for Extremely Gifted Students, Ministry of Education, Science and Technological Development of Serbia (2019 - 2023).
- Scholarship of the foundation "Privrednik" (2019 - 2024).
- Scholarship of the foundation "Rea" (2024).
- Scholarship of the Fund for Young Talents, Ministry of Science, Technology, and Innovation of Serbia (2024).
- Award for Remarkable success through studies (2021 - 2023).

Experience

June 2025 – August 2025

Observer Vienna
Department of Neuroradiology, University Clinic for Radiology and Nuclear Medicine, Medical University of Vienna

- Gaining insights into the role of the neuroradiologist in different pathologies (demyelinating disorders, neurodegenerative disorders, epilepsy, stroke, tumors).
- Participation in interdisciplinary boards (tumor, stroke, epilepsy).
- Participation in preparing radiological reports under supervision

April 2025 – June 2025

Clinical fellow
Epilepsy Monitoring Unit, University Clinic for Neurology, Medical University of Vienna Vienna

- Continuous video-EEG monitoring to diagnose and classify seizure types and localize seizure onset zones.
- Assessment of candidates for epilepsy surgery, including functional mapping and seizure focus identification.
- Collaboration with neurologists, radiologists, and neurosurgeons to optimize individualized treatment plans.

January 2025 –

Resident and Research Fellow
European Academy of Neurology

Vienna

April 2024 – June 2024

Research trainee

Department of Biomedical Imaging and Image-guided Therapy, Medical University of Vienna

Vienna

- Analyzed metabolic imaging data using advanced techniques (Deuterium Metabolic Imaging).
- Conducted analysis of high-field MRI data.
- Implemented deep learning algorithms for data analysis.
- Passed exam - Functional Magnetic Resonance Imaging (fMRI) ; Grade: excellent (1)

February 2022 – December 2024

Student Member

European Academy of Neurology

Vienna

- Student member of the European Academy of Neurology (EAN) Scientific Panels: Clinical Neurophysiology, Epilepsy, and Stroke.
- Training in EAN Advocacy for Neurology and Brain Health.

July 2023 - August 2023

Student trainee

Neurology department, Christian Doppler Clinic

Salzburg

- Conducted stroke data analysis using advanced analytical techniques like machine learning.
- Collaborated with the epilepsy team, contributing to diagnostics and treatment efforts.

March 2023 - May 2023

Research trainee

Institute for Psychology, University of Graz

Graz

- Engaged in advanced neuroscience courses such as Neuroimaging Methods, EEG Analysis, and Chemosensory Perception in Mental Disorders.
- As a part of a subject Advanced neuroimaging, conducted a myelin mapping study on differences in brain structures related to vision based on refractive status.
- Experience in working with fNIRS and fMRI.
- Passed exam - Special Topics in Clinical Psychology - Altered chemosensory perception in mental disorders; Grade: excellent (1)

October 2021 - January 2023

Student Assistant

Department of Pathology, Faculty of Medicine, University of Novi Sad

Novi Sad

- Arranged resource materials in preparation for classes.
- Supported teachers with classroom management to provide a productive and positive learning environment.
- Facilitated support during practical general and systemic pathology lessons, and assisted students with their assignments.

September 2022

Student trainee

Neurology department, Christian Doppler Clinic

Salzburg

- Acquired new skills by shadowing senior staff.
- EEG analysis in epilepsy and ICU patients.

- Obtained a certificate from the 2nd International Teaching Course on Continuous EEG in the ICU at the 8th London-Innsbruck Colloquium on Status Epilepticus and Acute Seizures.

March 2021 - November 2022

Member of the Organizing Committee

Union of Students of the Faculty of Medicine and Young Healthcare Workers of Novi Sad Novi Sad

- Contributed to the development of the Local Policy Action Plan for youth in Novi Sad (2023-2025). • Collaborated as a member of the working group for the Youth Health Charter with the National Youth Council of Serbia (July 2022).
- Organized educational conferences for medical students (IMSCNS).

Skills

- Proficient in **Microsoft Office** suite, including Word, PowerPoint, and Excel, developed through active usage. leadership,
 - Experienced in **Python** for data analysis visualization, as well as machine and deep learning projects (PyTorch) applied to realworld data sets.

- Strong **soft skills** including communication, teamwork, problem-solving, adaptability, and cultivated through active and participation in collaborative projects and professional organization memberships.

Languages

Serbo-croatian: First language

English:	C1	German:	C1
Advanced		Advanced	

Certifications

- European Academy of Neurology (EAN) Congress Masterclass: “Innovative Treatments in Neuroimmunological Rare Disorders”, 28th March 2025 (Vienna, Austria)
- European University Alliance for Global Health (EUGLOH) Workshop: “Boost Your Entrepreneurial Spirit!”, 10th-14th February 2025, Université Paris-Saclay (Paris, France)
- Northern Lights Deep Learning (NLDL) Winter School with Northern Lights Deep Learning Conference, 6th-10th January 2025, Arctic University of Norway (Tromso, Norway). Supported by: European University Alliance for Global Health (EUGLOH)
- Entrepreneurial Skills Programme (Hackaton), 16th-17th December 2024, Lund University (Lund, Sweden). Supported by: European University Alliance for Global Health (EUGLOH)
- European Academy of Neurology (EAN) Congress Masterclass: “Towards new standard of care for innovative treatments in autoimmune neuromuscular disorders”, 22nd November 2024 (Munich, Germany)
- Certificate of Attendance: 10th Congress of the European Academy of Neurology, June 29-July 2, 2024 (Helsinki, Finland)
- Certificate of Attendance (online): Summer School in Neuroscience - From neural stem cells to artificial intelligence in neuroscience, part of EUGLOH Work Package 3 ‘Research-based learning’ (June 19th-23rd 2023).
- European Academy of Neurology (EAN) Congress Masterclass: “Improving patient outcomes with FcRn inhibition in neuromuscular diseases.”, 24th November 2023 (Vienna, Austria)
- Certificate of Attendance: 8th Congress of the European Academy of Neurology, June 25th-28th, 2022 (Vienna, Austria)
- Certificate of Attendance: 2nd International Teaching Course on Countinuous EEG in ICU at the 8th London-Innsbruck Colloquium on Status Epilepticus and Acute Seizures, 17th-20th September 2022 (Salzburg, Austria)

