



Fully funded Ph.D. studentships in AI/ML at the intersection of Medicine in Vienna

We are offering several fully funded PhD studentships as part of the innovative CONGLIOMERATE research project, supervised by internationally renowned faculty from MedUni Vienna **and the** University of Applied Sciences Technikum Wien. This is an exciting opportunity to contribute to pioneering research that aims to drive forward the fields of AI, medical imaging, and life sciences.

Key Responsibilities:

- Conduct original research within dynamic and interdisciplinary teams.
- Design and execute experiments across basic and clinical research.
- Analyze and interpret data to advance scientific progress.
- Collaborate with global researchers, clinicians, and industry experts.
- Disseminate research findings via peer-reviewed publications and conference presentations.
- Engage in seminars, workshops, and scientific meetings for professional development.
- Contribute to grant writing and secure funding for innovative research projects.
- Be an active member of a growing, collaborative scientific community.

Open PhD Projects:

- Pharmacokinetic modelling of [18F]FET PET in Gliomas and associations with tumor microenvironment
- Machine Learning for treatment response monitoring of glioma patients
- Best practices in ML-workflows for medical imaging in case of small training sample sizes
- Integrating PET/MR Imaging Parameters with Biological Insights in Preclinical Glioma Models
- Multi-modal machine learning for predicting Glioma progression
- HealthAEye: Deep Learning for Retinal Image Analysis and Disease Monitoring (independent project of MedUni Vienna)

What We Offer:

- Competitive salary as an Early Stage Researcher.
- Flexible, interdisciplinary Ph.D. program with customizable curriculum.
- Access to cutting-edge research at the intersection of AI, medicine, and imaging.
- Work on groundbreaking projects with real-world medical applications.
- Collaborative, international research environment.
- High-quality research equipment, including specialized imaging technologies.
- Access to clinical trials and patient data for relevant research.
- Mentorship and advanced training from leading experts.
- Vibrant city of Vienna, recognized for its excellent quality of life and research culture.

Requirements:

- Applicants should hold a relevant Master's degree to the projects and meet MedUni Vienna's admission criteria.
- Experience with specific research methods may vary based on the project.
- Strong coding/programming skills
- Strong academic background and genuine interest in scientific research.
- Proficiency in English is required (both written and spoken).

For detailed information on each project and specific requirements, please visit:

[PhD Opportunities at MedUni Vienna](#)

Selection Process:

- **Document Review:** Shortlisted candidates will be selected based on qualifications.
- **Online Interviews:** May 14-16, 2025. Candidates will meet principal investigators (PIs) to discuss research interests.
- **PhD Campus Visit:** In-person interviews in Vienna from June 23-25, 2025.

Application Guidelines:

To apply, submit your CV, motivation letter, two referee contacts, and diplomas via our online portal. Applications by email or post will not be considered.

Closing Date: 25.04.2025, 23:55 CET

Apply Link: <https://oc.meduniwien.ac.at/en/open-phd-positions>