PhD Candidate/PostDoc Researcher (f/m/d): Deep Learning for Image Analysis & Visualization

VRVis, Austria's largest research institute for Visual Computing, is hiring a researcher to develop cutting-edge deep learning solutions for image analysis and visualization, to join our existing deep learning team. The position is located within the Biomedical Image Informatics Group at VRVis in Vienna, Austria, performing projects in the medical, agricultural and industrial sector. We undertake our research in close collaboration with our international partners and the Computer Graphics Research Unit at TU Wien, combining scientific and industrial environments into a vibrant research ecosystem.

What we are looking for

- We aim at developing novel machine learning - especially deep learning - based methods for image registration and joint analysis of multi-modal plant data. VRVis is involved in several EU and national research projects in the domain of plant imaging, ranging from modalities such as PET and MRI imaging to microscopic and satellite data. Tasks entail: assisting with data collection, data integration and processing, developing novel registration and analysis methods as well as visualizing and communicating results.
- We are looking for someone who enjoys working in an applied research environment and is eager to publish at high quality academic venues (journals, conferences) and to develop cutting-edge solutions for our industry partners working in real-world settings.
- Project management/acquisition and supervision of students are important to us and you would have an active, supporting part in this.
- We provide the opportunity to pursue a PhD at TU Wien or another of our partner universities.

Qualifications

- PhD or master's degree in computer science, statistics, math, or another technical field related to image analytics and machine learning, especially deep learning, with relevant practical experience.
- Strong Python programming skills and project experience with frameworks like PyTorch or TensorFlow.
- Excellent communication skills in English, as we are an international team with international partners.
- High level of independent problem solving and creative thinking, coupled with a good team spirit.
- Willingness to pursue a research stay of up to 3 months at one of our international collaboration partners.

Nice to have

- Familiarity with volumetric image registration, segmentation and medical imaging in practical settings.
- Familiarity with self-supervised learning techniques and clustering.
- Experience with medical data formats and interest in medical database setups.

What we offer in return

- Open-ended contract, up to 40 hours per week
- Location: Vienna, Austria
- Flexible working hours at a well-equipped workplace; home office possible
- Supportive atmosphere in an inclusive team
- Salary according to collective labor agreement, IT-Kollektivvertrag

Under Austrian law we are obliged to state the minimum salary for the position, which is 43.078 EUR yearly gross for full-time employment (38,5 h/w). As such, it is only the baseline for negotiations. Our salaries are competitive with those of Universities. Overpay is possible based on proven expertise and experience.

Contact

If you believe, that you could support our research efforts, we would love to hear from you. Please forward your application to Franziska Steyer-Beerman (HR) via fsb@vrvis.at. The application process is open until the position is filled.

VRVis follows an anti-discriminatory hiring policy and places importance on equal opportunities, and diversity. We specifically encourage applications from underrepresented groups.