

At the **Medical University of Vienna**, two **PhD positions (f/m/d)** will be available at the **Department of Anesthesia, Intensive Care Medicine and Pain Medicine** with reference number: **600/25**, expected to start on **January 2, 2026** (or early 2026), with an employment extent of **40 hours per week**. The candidate will be part of the **Representational Intelligence for Intensive Care (RIIC)** lab, associated with the **Comprehensive Center for Artificial Intelligence in Medicine (CAIM)**.

The **minimum monthly gross salary** for this position is currently **EUR 3.714 (14 times per year)** and may increase based on relevant prior experience as recognized under the applicable collective agreement and other job-specific compensation components. The employment contract will end upon expiry of **5 years**. As one of Europe's leading academic medical centers, we offer targeted support for early-career researchers in both **scientific research and teaching**.

Requirements

- Completed **Master's degree** in Computer Science, Data Science, Biomedical Informatics, or a related technical discipline (e.g., Mathematics, Computational Neuroscience)
- Demonstrated **practical experience** in applying Machine Learning techniques to real-world problems, preferably for Medicine or Biomedical applications
- Proficiency in **Python**, with hands-on experience using **PyTorch**
- **Strong interest in healthcare** and clinical decision support
- Interest working in the **embedding space** of DNNs
- Willingness to contribute to **research and teaching**, and to enrol in the **PhD Program** at the Medical University of Vienna
- For non-EU nationals, all legal employment requirements under immigration law must be fulfilled (to be sorted post-acceptance)

Desired Additional Qualifications

- Practical experience working with **time series**, such as physiological signals or vital signs
- Familiarity with **preprocessing and modelling multi-modal clinical data** (e.g., text, structured EHR, imaging)
- Experience contributing to **academic publications** or technical reports
- Knowledge of **self-supervised/contrastive learning or knowledge graphs**
- Past experience in interdisciplinary teams and **communicating with clinical collaborators**

The Medical University of Vienna is committed to increasing the proportion of women, particularly in leadership and scientific positions, and explicitly **encourages qualified women to apply**. We also welcome **applications from individuals with disabilities and/or chronic illnesses**. For questions, please contact the representative for employees with disabilities at MedUni Vienna. Further information is available [here](#). Information regarding data protection under the **General Data Protection Regulation (GDPR)** can be found [here](#).

Application

Please send your complete application documents **until October 31st**, including your **CV, cover letter, contact details for at least 2 references** and, if applicable, certificates and proof of qualifications. For regulated professions, please also include proof of professional authorization.

Indicate the **reference number 600/25** in the subject line to:

→ bewerbungen@meduniwien.ac.at

→ camgonza@stanford.edu

→ camila@riic.ai

