

Location: LMU Munich, Germany

Department: Institute for Medical Information Processing, Biometry, and Epidemiology (IBE)

Application deadline: 30 November 2026

Start date: As soon as possible

Contact: Emmanuelle Salin

Description

We are looking for a PhD student to join the Chair of AI-Assisted Therapy Decisions at LMU Munich for a 3-year position.

The position is part of the BMFTR-funded project **AIM-ICU – Artificial Intelligence for Monitoring and Intensive Care Unit support**, which aims to develop a generalizable machine learning framework for actionable ICU monitoring. The objectives include ICU data standardization, outcome prediction, and the generation of treatment insights for healthcare providers.

Requirements

Education Level: Master Degree or equivalent

Skills/Qualifications: We are looking for a highly motivated PhD candidate with a strong interest in clinical artificial intelligence and the ambition to pursue challenging research questions in this area. Successful candidates should have the following background and qualifications:

- Excellent university degree (Master's or equivalent) in computer science, artificial intelligence, or a closely related field.
- Programming experience in Python is required.
- Strong machine learning and deep learning background.
- Familiarity with deep learning frameworks (e.g., PyTorch)
- Experience in several of the following areas is desirable:
 - Machine learning and deep learning
 - Machine learning for longitudinal data
 - Natural language processing
 - Transformers
 - Electronic Health Records / clinical data analysis
- Excellent written and spoken English.
- Strong analytical and problem-solving skills, scientific curiosity.

Languages: English

Please submit your detailed application materials in English in electronic form as a single PDF file, including a CV, transcripts, reference letters and motivation letter, to:

emmanuelle.salin@med.uni-muenchen.de