

## MEDICAL UNIVERSITY OF GRAZ—WHO WE ARE

The Medical University of Graz takes a holistic view of the human being. We are committed to supporting, accompanying and training the people entrusted to us and promoting their development. “Pioneering Minds—Research and Education for Patients’ Health and Well-being” is our common strategy and vision that keeps us moving forward.

*Become part of an extraordinary team—become a pioneering mind!*



## Tenure Track Professor of Artificial Intelligence in Surgery

Department of Surgery

Division of General, Visceral and Transplant Surgery

Full-time position (100%); initially limited to 6 years, becoming a tenured position when the qualification agreement is met

We are looking for an excellent researcher with great potential to develop an internationally recognized research agenda in the field of artificial intelligence in surgery. The successful candidate is expected to conduct research and teaching in the field of artificial intelligence in surgery. The new position will complement the research activities of the Division of General, Visceral and Transplant Surgery.

A key responsibility will be to address critical issues related to trustworthy AI in surgical settings, including ensuring data privacy, enhancing transparency and improving the algorithmic fairness and explainability of AI systems.

The initial appointment is limited to six years. After the conclusion of a qualification agreement, the career advancement goal is to transfer to a tenured position as an associate professor (tenure track professor pursuant to § 99 para. 5 and 6 of the Universities Act). If the candidate demonstrates outstanding and remarkable achievements, the qualification agreement may be fulfilled more quickly.

### Core duties and responsibilities:

- Conducting cutting-edge research in the field of artificial intelligence in general, visceral and transplant surgery
- Establishing and leading an internationally recognized research group
- Teaching undergraduate and graduate courses, supervising diploma and PhD students and mentoring and promoting young researchers
- Acquiring third-party funding and taking the lead in such research projects
- Writing and publishing high-quality scientific papers in reputable journals
- Establishing and maintaining networks through local, national and international research collaborations
- Supporting scientific and public outreach in the research area (public lectures, media, etc.)

Successful candidates must have the following qualifications and skills:

- PhD or equivalent doctoral degree in computer sciences or a related field
- Profound research expertise in human-centered AI, data science and machine learning
- Proven track record of high-quality publications
- Peer-reviewed research grants or other third-party funding
- Proven track record in applying AI techniques and advanced data analysis, with the ability to integrate AI methodologies into various scientific disciplines. Expertise preferred in any of the following areas: machine learning for predictions, data-driven decision support, multimodal data analysis, large language models
- Previous experience in teaching and/or (co)supervising pre- and postgraduate students (depending on the applicant's career stage)
- Postdoctoral research fellowship abroad or at a different institution than where the PhD was completed of at least 6 months
- High level of proficiency in both written and spoken German and English (equivalent to proficiency level C1 of the Common European Framework of Reference for Languages)

The ideal candidate has the following profile:

- Ability to teach complex AI topics in relation to surgical applications to an interdisciplinary audience including surgeons, medical students and researchers
- Willingness to cooperate, open-mindedness and ability to work in a team
- Communication and social skills
- Outstanding level of motivation
- Systematic and analytical mindset, excellent organizational skills

**Application:**

We are looking forward to your application via our online job portal:

<https://www.medunigraz.at/en/job-openings/tenure-track-professorships>

Application deadline: **16 January 2025**

Please note that we can only consider complete applications that have been received by the application deadline. A list of the documents to be submitted can be found [here](#).

Statutory information: The minimum remuneration is based on the collective agreement for university employees (KV § 49.2).

**Scheduled date for job interviews: 10 March 2025 at the Medical University of Graz**

Contact: [rektorin@medunigraz.at](mailto:rektorin@medunigraz.at)

The Medical University of Graz is committed to increasing the proportion of women in management positions and encourages qualified women to apply. Among applicants with equal qualifications, female applicants will be given priority. We also welcome applications from qualified individuals with disabilities and encourage them to apply.

## WE OFFER OUR EMPLOYEES



Unique teaching and research opportunities at Medical Science City Graz and state-of-the-art infrastructure



Extensive professional development opportunities



International mobility and a supportive welcome service



Secure employment



Flexible working hours and the option of working from home



Generous vacation policies



Sustainable mobility (e.g., bicycle subsidy, Job Ticket) and easy access by public transportation



An environment conducive to reconciling family and work



Child care at kinderCAMPUS and if required Dual Career Services



Innovative career paths at the established university campus in Graz



Extensive perks



Health promotion opportunities (e.g., physical exercise, medical check-ups, coaching)



Paid lunch break



Wide variety of employee events



Excellent training

[www.medunigraz.at](http://www.medunigraz.at)

