



The Department of Medical Informatics of the University Medical Center Göttingen is looking as of 01.01.2025 for:

## Head of the Junior Research Group Complex Biosignal Analysis (f/m/d)

Full-time, limited until 28.02.2027

The Department of Medical Informatics researches innovative methods and tools for cross-institutional collaboration in medical research, teaching and care. There is close cooperation with partners from healthcare, science and industry. The department works together with colleagues from the fields of statistics, data analysis, artificial intelligence and ethics and is involved in several degree programs on campus. Motivated people of international origin are explicitly welcome at our department; about half of our team consists of women.

The scientific focus of the junior research group is the development of methods for analyzing multidimensional biosignals in biomedical research and healthcare. In particular, this should also include biosignal recordings from long-term monitoring, such as sleep monitoring or the use of wearables in medical care. medical care.

UNIVERSITÄTSMEDIZIN  
GÖTTINGEN :UMG

The University Medical Center Göttingen (UMG) unites the Medical Faculty and the Medical Faculty of Medicine of the Georg-August-University and the University Hospital under one roof. With almost 9,700 employees, UMG and its subsidiaries are one of the largest employers in the region. More than 60 clinics, institutes and departments stand for high-quality patient care, excellent research and modern teaching.

Göttingen as a city of science is located in the center of Germany and the University Medical Center is integrated into an attractive network of university and non-university scientific institutions.

Our goal as University Medical Center Göttingen is the professional equality of all genders. We strive to equalize the gender ratio in areas where there is underrepresentation. The University Medical Center Göttingen is particularly committed to the professional participation of people with severe disabilities, and therefore welcomes applications from people with severe disabilities. In the case of equal suitability, applications from severely disabled persons will be given preferential consideration in accordance with the relevant regulations. We ask you to indicate any disability/equality in

## Your tasks

- Expansion and technical management of the junior research group with currently two research assistants
- Methods and tools for the analysis of multidimensional biosignals, in particular for long-term monitoring
- Independent scientific research in close cooperation with clinical partners
- Representation of the field of biosignal processing in teaching
- Involvement in national and international research networks, e.g. in the Somnolink and Acribis projects as part of the Medical Informatics Initiative

## Your qualifications

- An above-average doctorate in computer science, engineering, physics or comparable disciplines
- Interest in a scientific career
- very good written and spoken English skills
- experience in biosignal processing and/or time series analysis
- possibly experience with methods of nonlinear dynamics and/or analysis of multidimensional and multimodal time series
- Possibly initial experience in the technical management of interdisciplinary teams

## We offer

- Integration into a highly interdisciplinary and very international team - Access to an internationally renowned research network in bioethics and data ethics
- Very good working atmosphere in a team-oriented working group
- Family-friendly working hours and up to 40% home office regulation - Support for your own further qualification (postdoc, habilitation) Mentoring for academic career planning
- Support in the development of your own research projects
- The opportunity for academic qualification (habilitation) is generally given

## We're looking forward to receiving your application!

your letter of application in order to safeguard your interests.

[Apply now](#)

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