Looking for new opportunities?

As one of the largest employers in the region, the University Medicine Greifswald offers an attractive work environment for numerous professional groups.

We are looking for you!

The University Medicine Greifswald fulfills the tasks of the medical faculty in research and teaching as part of the University Greifswald and in cooperation with the other faculties. With 21 clinics/polyclinics, 19 institutes and further central facilities the University Medicine Greifswald performs its duties as maximum care hospital.

The Department of Restorative Dentistry, Periodontology, Endodontontology, Preventive and Pediatric Dentistry at the University Medicine Greifswald - public corporation - offers the following position as of July 1, 2024:

PhD student

part-time with 65% of a full-time position
limited until 30.06.2029

The limitation of the contract is based on the Science Contract Act (“Wissenschaftszeitvertragsgesetz”).

The doctoral position is part of the subproject "Investigation of bidirectional inflammation-mediated associations between the presence of joint protheses and periodontal and systemic diseases based on epidemiological studies" of the DFG Research Training Group GRK2901/1 SYLOBIO (Systemic and local reactions in intolerance to biomaterials for joint and skin lesions). This subproject focuses on the question of bidirectional relationships between the wearing or re-insertion of a joint prosthesis and subclinical changes or systemic diseases. To this end, existing epidemiological data from the population-based German National Cohort (GNC) with 205,415 baseline study participants and the population-based Regional Study of Health in Pomerania (SHIP-TREND) with 4,420 baseline study participants will be evaluated. During your four-year doctorate, you will focus on the following research question: Investigation of the association between wearing a joint prosthesis and various endpoints, considering systemic inflammation, using epidemiological cross-sectional and longitudinal data (National Cohort and SHIP-TREND). To investigate the cross-sectional effects between wearing a joint prosthesis (exposure) and various endpoints, including cardiovascular endpoints (blood pressure/heart rate, Vascular Explorer), renal function, lung function (spirometry, ergometry) and grip strength measurements, using generalized models. In addition, follow-up data from the GNC and SHIP-TREND on incident cardiovascular events will be evaluated. The availability of time-varying omics data (serum metabolome) in SHIP-TREND also enables omics analyses in combination with deep learning methods and thus statements about possible biological processes (cooperation project with Rostock University). In addition, potential mediation effects via systemic inflammation are analyzed. Further information on the Research Training Group can be found at www.sylobio.de.

Your tasks:

- Submitting data usage requests and coordinating data handling with the data transfer management of the NAKO and the SHIP study
- Extensive data analysis and processing of results in cooperation with the project participants
- Publication of results in international journals; preparation of reports
- Cooperation with national and international research partners
- Support of the PhD training program in GRK2901/1 SYLOBIO
- Preparation of research proposals
Our requirements:
- Graduates holding an excellent university degree in mathematics, biomathematics, statistics, biostatistics, or related disciplines
- Ability to work in a team, communication skills, willingness to undergo further training, enjoy interdisciplinary work
- Independent working style and ability to work on new topics
- Wide-ranging training in statistical and epidemiological methods
- Basic understanding of medicine
- Very good knowledge of English

What we offer:
- An outstanding collaborative research environment with excellent career development opportunities in human neuroscience
- Excellent infrastructure for training and research by internationally recognized scientists in facilities with state-of-the-art technologies
- A dedicated mentoring program for junior scientists, including regular symposia and summer schools
- A long-term perspective to develop one’s own research portfolio
- Flexible organization of working hours and workplace
- The salary scale is according to the TV-L. Subject to personal qualification, employees are remunerated according to salary group E 13 TV-L.
- Occupational pension provision
- Greifswald is an innovative university city on the Baltic coast with high recreational value
- To support compatibility of family and career the UMG offers support in the search for child care or apartments through the service office “Familienbüro”.

Detailed information on the Research Training Group can be requested at syllobio@med.uni-rostock.de.

Please submit your application by 01.04.2024 with the usual documents, quoting the reference number 24/L/12_1040 by E-Mail to:

E-Mail: jobs.unimedizin@med.uni-greifswald.de

At the University Medicine Greifswald, we wish to promote careers of women in areas in which they are underrepresented. Therefore, we encourage female candidates to send us their applications. In the case of equal qualifications, female applicants will be given preferential consideration. Our jobs are also suitable for part-time employment. If applications are received it will be examined whether the extent of part-time wishes is applicable in the context of the required profile. Severely disabled applicants with equal aptitude will be given preferential consideration. Application costs and expenses occurred as a result of the interview cannot be compensated.