



# UNSER **TEAM** BRAUCHT SIE!



The Institute of Genetic Epidemiology, Medical Center – University of Freiburg is looking for a

## **Projekt PhD Candidate / Data Scientist in Statistical Genomics (f/m/d)**

The Statistical Genomics Group (Emmy Noether Group Leader: Dr. Pascal Schlosser) at the Institute of Genetic Epidemiology generates new insights into the (patho-)physiology of complex human traits and diseases, which arise from the combination of genetic predisposition and environmental influences. The position is posted as part of the second funding period of the CRC 1453 NephGen (1.1.2025 – 31.12.2028) which leverages evidence from genetic kidney-related diseases to identify, characterize, and modify molecules and pathways that serve as targets to improve the prevention and treatment of kidney disease. The proposed project is focused on the development and application of statistical / bioinformatic methods to identify features that predict disease progression, as well as to detect pathway signatures in high-dimensional datasets in context of VHL-dependent kidney cancer.

### **We offer:**

- an exciting job within our highly motivated multidisciplinary team of statisticians, bioinformaticians, and clinician scientists
- highly personalized supervision at the forefront of integrative biomedical sciences
- the opportunity to obtain a PhD (Dr. rer. nat. or Dr. sc. hum.)
- the possibility to join the structured graduate school SGBM (<https://www.sgbm.uni-freiburg.de>)
- outstanding working conditions in an international environment
- opportunities for regular internal and external training and further education
- a family-friendly employer
- employee offers / health offers (e.g. UKF jobticket, Hansefit)

### **Your mission:**

- apply and extend existing methods and develop new approaches for the integrative analysis of high-dimensional transcriptomics, methylomics, and time-to-event data
- plan and conduct statistical analyses in cooperation with our experienced team
- publish research findings in scientific manuscripts and as open-source software
- present research results at national and international meetings and conferences

**Your qualifications:**

- a strong interest in translational research at the intersection of methods development and biomedical application
- a Master's degree in mathematics / statistics / epidemiology / bioinformatics / data sciences or a comparable subject
- experience in programming (R, Python, ...)
- proficient knowledge in written and spoken English
- independent, target-oriented working manner
- strong commitment to research ethics and teamwork
- good communication skills

The position is full-time and limited to four years. The salary will be determined in accordance with TV-L.

**We are happy to receive your complete application papers including the earliest possible date of entrance by January 31st, 2025. Please submit a CV, transcript of records from your MSc studies, one or two employment reference letters including contact details for referees and a short motivation letter (max. 1 page) stating your research interests. Please upload all documents as a single PDF file named "application\_<your last name>.pdf".**

**University Medical Center Freiburg**

Institute of Genetic Epidemiology

**Dr. Pascal Schlosser - Group Leader Statistical Genomics**

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**For further information please contact Dr. Pascal Schlosser:**

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**Homepage: Institute: <https://www.uniklinik-freiburg.de/ge>**

**CRC NephGen: <https://www.sfb1453.uni-freiburg.de>**

