With more than 21,000 students, the University of Regensburg is an innovative and interdisciplinary oriented campus university with diverse research activities and a broad range of courses for young people from Germany and abroad. The Department of Genetic Epidemiology at the University of Regensburg invites applications for a

Scientist (Computer science, Computational science, Statistics, Mathematics or related discipline)

To develop methods and software to integrate and interpret high-dimensional molecular data from multiple sources with the aim to help understand the genetic make-up of complex diseases.

We offer a full-time position at the earliest possible time point for a fixed-term contract until December 31st, 2022, and the opportunity for a doctoral thesis or further academic qualification.

Genome-wide association studies (GWAS) where millions of genetic variants are analyzed for association with a disease are one of the most successful approaches to help understand the genetic make-up of complex diseases and to prioritize drug targets. A current challenge is the abundance of data and statistical results (“big data”) as well as their integration to help prioritize the relevant evidence.

At the Department of Genetic Epidemiology (head: Prof. Dr. Iris Heid), we conduct GWAS for numerous diseases and we develop new approaches to improve GWAS or post-GWAS approaches. We are an interdisciplinary group with computer scientists, mathematicians, biologists and physicians. We support our new people and have an excellent track record in helping advance our students’ and fellows’ scientific profile.

The task of the Scientist will be the development of an approach and its implementation into software (including a searchable web-platform) to prioritize genes for deteriorating kidney function. Ultimately, this work will be pivotal to help understand the disease-relevant mechanisms. The Scientist will be part of the Collaborative Research Centre SFB 1350 and the international Chronic Kidney Disease Genetics consortium.

Applicants should have a background (master degree) in Computer Science, Bioinformatics, Statistics, Data Science or a related discipline. He or she will have advanced programming skills, an interest in handling large-scale data and statistical analyses, and a liking to medical research questions.

Our system in Germany provides substantial salary (TV-L E13) and outstanding social benefits including health care, child care support, and excellent schools. To apply, please send your CV, academic transcripts, and two contacts for reference, by February 15th, 2019, to Sylvia.pfreintner@ukr.de. For questions, please call Prof. Iris Heid +49 (0) 941 944 5211.

Information on data protection can be found here: https://www.ur.de/verwaltung/medien/dokumente/datenschutz_stellenausschreibungen.pdf

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