The Rheinische Friedrich-Wilhelms-Universität Bonn is an international research university with a broad spectrum of disciplines. 200 years of history, around 38,000 students, more than 6,000 employees and an excellent reputation at home and abroad: The University of Bonn is one of the most important universities in Germany and has been awarded the title of Excellence University.

The bioinformatics unit of the Platform for Single Cell Genomics and Epigenomics (PRECISE) at the Department of Genomics & Immunoregulation at the Life & Medical Sciences (LIMES) Institute of the University of Bonn and the research area Systems Medicine at the DZNE in Bonn are looking for an

**experienced Postdoc in Bioinformatics or Computer Science (100%)**

for an initial period of three years with a possibility of extension.

The German Center for Neurodegenerative Diseases (DZNE) is a world-leading internationally oriented research center, committed to discovering new approaches to prevent and treat neurodegenerative diseases. To this end, researchers at the DZNE sites across Germany pursue a translational and interdisciplinary strategy comprising five interconnected areas: fundamental research, clinical research, health care research, population health science, and systems medicine.

PRECISE uses mainly single cell high throughput technologies including next generation sequencing (NGS), to answer basic and translational scientific questions in the area of neurodegenerative diseases and immunology together with local, national and international collaboration partners. PRECISE, in collaboration with industrial partners, offers access to novel, cutting-edge modular compute architectures focusing on memory centric approaches.

**Your duties**

The successful candidate will work at the intersection of life and computer sciences to enable novel analyses of next generation sequencing data in a systems medicine context. DZNE is also part of several national initiatives to standardize and provide compute resources to biologist. Here, the successful candidate will get the possibility to collaborate with major players in the field.

**Your profile:**

- PhD or equivalent in bioinformatics, computer science or a related field,
- Experience in computational biology, bioinformatics or biomathematics is a plus,
- Experience in the analysis of Next-Generation Sequencing data e.g. single cell RNA-Seq, bulk RNA-Seq and ATAC/ChIP-Seq,
- Strong background in biology, preferable immunology. Solid experience in R and in object-oriented software development, ideally with C++ and python,
- Experience in parallel computing and in-memory approaches is of advantage,
- Enthusiasm to work in a thriving academic research environment,
- An interest to work in an international environment,
- A collaborative attitude and the ability to work independently as well as in a team,
- Excellent verbal and written communication skills in English.
We offer:

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The University of Bonn is committed to diversity and equal opportunities. It is certified as a family-friendly university. Its aim is to increase the proportion of women in areas where women are under-represented and to particularly promote their careers. It therefore urges women with relevant qualifications to apply. Applications are treated in accordance with the Land Equality Act. The application of suitable people with proven severe disabilities and persons of equivalent status is particularly welcome.

If you are interested in this position, please send your applications (in English) including a CV, a brief statement of research experiences and interests, a list of publications (if applicable) and two references in a single PDF file by e-mail to office.immunogenomics@uni-bonn.de with the application code 12.21.331. by April 30, 2021. Please address any questions regarding the position described to Dr. Thomas Ulas at the same address. We are looking to fill this position as soon as possible.