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 LIMES institute is inviting applications for

two PhD student positions (65%)

within Collaborative Research Center 1454 Metaflammation and Cellular Programing for initial period of three years with a possibility of extension.

Job description

The laboratory of Prof. Mihai Netea at the University of Bonn, Germany, is currently looking for PhD candidates interested in metabolic impact on the immune system and enthusiastic about working on a collaborative project, generating and integrating multidimensional data and understanding human biology at the systemic level. The project focuses on deciphering the impact of energy metabolism, uric acid, lipid mediators on inflammation and trained immunity in atherosclerosis. The project is a collaborative effort between Radboud University Medical Center and the University of Bonn.

Qualification profile

The PhD candidates will develop skills in standard immunology techniques, lipidomic analysis, metabolic measurements as well as will work with big data sets.

Your duties

- performing standard immunological assays on human samples,
- evaluation and analysis of big data,
- plans, directs and conducts specialized and advanced research experiments,
- may establish new research protocols and procedures,
- summarizes research findings and contribute to publish results in research journals,
- may be responsible for laboratory operations.

Your profile:

- a solid background (master or diploma) in Biology, Biochemistry, Bioinformatics, Molecular Medicine, or related topics,
- having bioinformatic skills and being familiar with data science is advantageous,
- ability to work independently and in a team,
- excellent management and communication skills,
- highly motivated in interdisciplinary research,
- good computer and language (English) skills.

We offer:

- a diverse and demanding job with one of the largest employers in the region,
- highly innovative techniques in Biochemistry, Molecular and Cell biology,
- a well-equipped workspace in an active international team,
- supportive mentoring and a well-equipped laboratory,
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 application documents including cover letter, curriculum vitae and certificates by 04.30.2021 in a single PDF file by e-mail to kplacek@uni-bonn.de. with the application code 06.21.331 Please address any questions regarding the position described to Dr. Katarzyna Placek at the same address.