The Institute of Human Genetics, Department of Genomics, School of Medicine, University of Bonn, Germany, invites applications for a

Postdoc position (m/f/d) (TV-L E13, 100%)

The position will commence on August 1st 2019 and is initially limited to three years with the possibility of extension.

The Postdoc position will be based in the multidisciplinary Cluster of Excellence ImmunoSensation² which is financed by the German Research Foundation (DFG). The aims of this cluster are to investigate innate immunity beyond the boundaries of classical immunology and to understand the deep connections between the immune sensory system and human diseases.

The focus of the proposed Postdoc position will be on the analysis of neuropsychiatric disorders with an emphasis on the contribution of immunological processes to disease development. The successful candidate will apply state-of-the art molecular genetic (e.g. NGS, genotyping, methylation and expression profiling) and cellular technologies (cell culture, stimulation of specific cell types); manage and analyze the generated data (bioinformatics workflow including quality control, data mining, methylation/expression quantitative trait locus analyses, polygenic and pathway analyses); and follow-up relevant findings. In addition, the Postdoc will supervise master and doctoral students.

The Institute of Human Genetics in Bonn offers an excellent multidisciplinary team-oriented research environment and opportunities for training and individual career development. The Institute is engaged in multiple collaborations with other departments at the University of Bonn, as well as with other leading national / international research groups. The primary focus of the Department of Genomics is the identification of genes implicated in complex disease via high throughput genomics technologies (SNP- and methylation-arrays, next- and third generation sequencing) all of which are available at the Institute.

We are seeking a highly motivated, team-oriented candidate with an interest in the integrative analysis of molecular biological and cellular findings using advanced computational methods. Preferably, the successful candidate will hold a PhD in Molecular Biology or a related subject. Proficiency in German and English, as well as skills in molecular genetic (DNA/RNA work, NGS, DNA genotyping, PCR, Hi-C) and cellular techniques (cell culture, CRISPR/Cas9) are required. Experience in the use of computer and computational tools (e.g. MS Office, MS Windows, Linux, R), and applied bioinformatics data analysis would be beneficial.

We offer:
• The salary will be according to the German salary scale (EG 13, 100%)
• A “Jobticket” (subsidized public transport) is available
• There is a possibility to use the day care center
• Supplementary benefits in the public sector (pension according to VBL)

The University of Bonn is committed to diversity and equal opportunity. It is certified as a family-friendly university. It aims to increase the proportion of women in areas where women are under-represented and to promote their careers in particular. It therefore urges women with relevant qualifications to apply. Applications will be handled in accordance with the Landes-gleichstellungsgesetz (State Equality Act). Applications from suitable individuals with a certified serious disability and those of equal status are particularly welcome.

For further information, please email Prof. Markus Nöthen (Postdoc_immunogenetics@uni-bonn.de).

To apply for the Postdoc position, please send a letter of application, a detailed CV, and the names and contact information of two referees in a single PDF file and by email only to Postdoc_immunogenetics@uni-bonn.de. Please refer to the reference number 323_2019.

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