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

**PhD position (TV-L E13, 65%) (m/f/d)**

starting November 2019.

Supported by the German research council (DFG), an Emmy-Noether research group on craniofacial genomics has been established at the Institute of Human Genetics, Bonn, Germany. This research group aims at identifying biological processes and functional mechanisms involved in human craniofacial development. We are in particular interested in understanding the basic principles of craniofacial disorders such as orofacial clefting, where we have access to large patient cohorts and to one of the world’s largest genetic datasets.

The focus of the proposed PhD will be on the genetic, computational and functional follow-up of the identified genetic risk regions, which have been identified by our group and collaboration partners. This will provide valuable insights into the functional processes and mechanisms underlying craniofacial development and disease. The successful candidate will be involved in the most up-to-date genomics technologies, functional approaches, methods development and cutting edge research.

The Institute of Human Genetics is one of Germany’s leading centers in the identification of genetic risk factors for multifactorial disorders. It provides a unique scientific environment for researchers, combining expertise in the analysis and interpretation of genomic data and providing access to state-of the art high-throughput genomic technologies (next- and third-generation-sequencing, bioinformatics, computing clusters).

In today’s busy research environment, we are looking for a highly motivated, team-oriented graduate candidate, who is motivated to integrate molecular biological findings and advanced computational methods and to explore the interface of genetics and functional assays. Preferably, the successful candidate will hold a diploma or a master’s degree in Biomedicine, Molecular Biology, or a related subject. Proficiency in German and English, as well as skills in molecular genetic techniques (DNA/RNA work, DNA genotyping, NGS, PCR) are required. Experience in the use of computational tools (MS Office, MS Windows, Linux, R, Python, Perl), and applied data analysis and database usage would be beneficial.

The PhD position will be integrated into the PhD Program of the School of Medicine at the University of Bonn and the Graduate School of Clinical and Population Sciences. Successful candidates are awarded a PhD.

The position is initially limited to three years with the possibility of extension.

**We offer:**

- The salary will be according to the German salary scale (EG 13, 65%)
- 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 Landesgleichstellungsgesetz (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 to Dr. Kerstin Ludwig (craniofacial_genomics@uni-bonn.de).
Applicants should send their application in a single PDF-file including cover letter, detailed CV, scanned academic degrees and the contact details of two referees by email only to craniofacial_genomics@uni-bonn.de within two weeks after publication, mentioning Reference number 430_2019.

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