

Zentrale Universitätsverwaltung Abteilung 3 – Personal



255/2017

Halle (Saale), 21.02.2017

External Job Announcement Reference Number 4-1680/17-D

The **German Centre for Integrative Biodiversity Research (iDiv)** is one of four National Research Centres funded by the German Research Foundation (DFG). It is located in the city of Leipzig and jointly hosted by the Martin Luther University Halle-Wittenberg (MLU), the Friedrich Schiller University Jena (FSU), the University of Leipzig (UL), and the Helmholtz Centre for Environmental Research (UFZ). It is supported by the Max Planck Society, the Leibniz Association, the Klaus Tschira Foundation, and the Free State of Saxony. Its central mission is to promote theory-driven synthesis and data-driven theory in this emerging field. The concept of iDiv encompasses the detection of biodiversity, understanding its emergence, exploring its consequences for ecosystem functions and services, and developing strategies to safeguard biodiversity under global change. The Martin Luther University Halle-Wittenberg, in cooperation with iDiv, offers the following position starting as soon as possible, limited **until September 30th 2020**, and **planned to be extended until September 30th 2024**:

Scientific Head of the Bioinformatics Unit Fulltime: 100 %, iDiv Leipzig

The salary will be determined up to pay grade 14 TV-L depending on the assigned tasks and personal qualifications.

Embedded in this active research environment, the Bioinformatics Unit (BIU) is a central hub and fundamentally important for research projects at iDiv. Many research groups of iDiv need bioinformatics expertise for their highly diverse research tasks. The duty of the BIU is to support iDiv research groups with their computational expertise, for example by developing new algorithms for genomics, metagenomics, or metabolomics datasets.

One of the **main tasks** of the head and the two postdocs of the BIU is to consult the family of diverse researchers at iDiv and to collaborate with them to ensure a professional analysis of their data so that their scientific questions are addressed in a statistically and algorithmically sound manner. In addition, the head and the postdocs of the BIU are expected to design and provide courses and workshops on bioinformatics within iDiv, the graduate program at iDiv, and to coordinate the computational work of iDiv with the Biodiversity Informatics Unit (BDU) and sDiv, the synthesis centre for biodiversity sciences at iDiv. Furthermore, they are expected to initiate and actively participate in joined research projects with iDiv members by acquiring grants from the European Union, the German Science Foundation, iDiv, or sDiv. Last, but not least, the head and the postdocs of the BIU are expected to perform and publish novel bioinformatics research with a high impact on iDiv and beyond.

Due to the broad portfolio of activities at iDiv, the head of the BIU is expected to have profound knowledge of and expertise in the main fields of bioinformatics and NGS data analysis, in particular computational genomics and transcriptomics, metagenomics and metatranscriptomics, population genomics, phylogenomics, epigenomics, or metabolomics.

We expect / requirements:

- a PhD in bioinformatics or a related discipline such as computer science, mathematics, physics, chemistry, or biology
- expertise in the statistical analysis of high-throughput data, machine learning, and high-performance computing
- an excellent publication record in one or several of these areas
- to be a team player with excellent communication and interpersonal skills
- experience with group leading and project management
- a high standard of spoken and written English
- creativity, enthusiasm, endurance, and an open mind for interdisciplinary science

We offer:

- a modern, international, and interdisciplinary environment of high scientific standard
- a responsible, interesting, and versatile position in a vibrant research institute
- a creative participation in a „think tank“ that will help to shape the future of integrative biodiversity research

The Martin Luther University Halle-Wittenberg as well as iDiv promote a research environment free of gender bias and, thus, aim to incorporate gender equality as a horizontal issue following the gender mainstreaming strategy. The Martin Luther University Halle-Wittenberg plans to increase the share of women in leading positions in science and research. We therefore strongly encourage women to apply. Given equal qualification, applicants with handicaps will be preferred. Mode and conditions for the employment follow the federal legislation of the State of Saxony-Anhalt.

Please contact Prof. Dr. Ivo Große (ivo.grosse@informatik.uni-halle.de) for further details or questions.

Applications should be sent by **31st March 2017** as single PDF file to <https://apply.idiv.de>. Applications must obtain to the job reference number **4-1680/17-D** and include (a) a letter of interest, (b) a brief overview of the skills and experiences of the candidate related to the job requirements (1 page), (c) a curriculum vitae, (d) a complete publication list, (e) certificates, and (f) the names and email addresses of two individuals who could provide an evaluation of the candidate upon request.

The position is offered with reservation of possible budgetary restrictions. Application costs will not be reimbursed.