

The **German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig** is a National Research Centre 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). For more information please visit: www.idiv.de.

Friedrich Schiller University Jena seeks to fill the following position at iDiv with workplace in Leipzig from 1st October 2020 onwards:

Postdoctoral Researcher (f/m/d)
“Eco-Metabolomic data analysis and method development”

limited to one year, full-time employment

Salary: up to *Entgeltgruppe 13 TV-L*, if the personal requirements and tasks are fulfilled

The FSU Jena seeks to increase the number of women in those areas where they are underrepresented and therefore explicitly encourages women to apply. Severely disabled persons are encouraged to apply and will be given preference in the case of equal suitability.

Background:

Ecometabolomics is a new and emerging field of research, which tries to integrate metabolome analysis (metabolomics) into ecology and biodiversity research. So far, the application of metabolomics in these two areas is still limited, as ecologists and biodiversity researchers have limited access to modern analytical infrastructure. Furthermore, there is a lack of project-specific advice and support. For this reason, iDiv operates an Ecometabolomics platform, which is used in several iDiv groups (e.g. MIE, EIE), national and international cooperation partners of the iDiv consortium and other institutions of ecological and biodiversity research. The task of this platform is to provide practical help and support specifically for biologists and ecologists, tailored to their needs and special training sessions in the field of metabolome analysis. The aim is to turn the platform into a central contact point for the establishment of Ecometabolomics in biodiversity research in Germany and to cooperate with nationally and internationally renowned ecologists and biologists to establish opportunities in German biodiversity research.

Job description:

- Support scientific cooperation projects with
 - project design and preparation
 - scientific method optimization and validation (mostly LC-MS)
 - processing of MS data: XCMS, CAMERA, MetaboScape, *et cetera*
 - feature annotation and identification
 - statistical analysis
- Implementation of new MS software and tools
- creation of Metabolomic workflows, standard libraries and guidelines
- lecturing on the basics of MS data analysis in seminars and workshops

Requirements:

- PhD in Analytical Chemistry, Biochemistry, Biology, Ecology, Pharmacology or equivalent science
- **Required** professional and personal skills/experience:
 - practical experience with mass spectrometry platforms and method development
 - hands-on experience with processing LC-MS data and performing statistical analyses
 - experience in handling software for MS data processing
 - responsible personality and excellent communication skills
 - excellent knowledge of the English language in speaking and writing
- **Desired** professional and personal skills/experience
 - experience in chemical-ecological experiments and methods
 - experience in working with R
 - experience in the creation of teaching materials
- Experience with teaching activities **preferred**

Kindly send your application, quoting the reference number 146/2020 via our application portal at <https://apply.idiv.de>. While we prefer applications via this portal, hard-copy applications may also be sent to:

German Centre for Integrative Biodiversity Research – iDiv (Halle-Jena-Leipzig)

Prof. Dr. Nicole van Dam Deutscher Platz 5e, D-04103 Leipzig

Submission deadline is 26th. June 2020. All applications should include a letter of motivation, curriculum vitae, two references, a copy of your diploma or master`s certificate and a copy of your doctoral certificate.

For inquiries on the application process or more information on this position please contact Prof. Dr. Nicole van Dam at 0341/97 33135 or Dr. Henriette Uthe at 0341/ 97 33233.

iDiv is committed to establishing and maintaining a diverse and inclusive community that collectively supports and implements our mission to do great science. We will welcome, recruit, develop, and advance talented staff from diverse genders and backgrounds.

Please note that applying via email is not entirely secure under data protection law. The sender assumes full responsibility.

Please consider our application information: http://www.uni-jena.de/stellenmarkt_hinweis.html.

Please also note the information on the collection of personal data on:
www.uni-jena.de/Universität/Stellenmarkt/Datenschutzhinweis