

## Position Opening

The Chair of Animal Ecology and Tropical Biology (Zoology III) and the Ecological Field Station Fabriktschleichach of Julius-Maximilians-Universität Würzburg (JMU), Germany, are inviting applications for a

### **Research Position (With a Focus on Data Management).**

The contract will start on 15 August 2022 at the earliest and will be fixed term for an initial period to end on 30 April 2026. The position is full time.

The position is part of the BETA-FOR (Enhancing the structural diversity between patches for improving multidiversity and multifunctionality in production forests) DFG Research Unit and the EcoGlob programme. BETA-FOR is being coordinated at the Ecological Field Station by Prof. Dr. Jörg Müller, and EcoGlob is being coordinated by Prof. Dr. Ingolf Steffan-Dewenter at the Biocentre of the JMU Würzburg. While the position is full time, candidates wishing to work part time will be considered if full-time work can be ensured through job sharing. Remuneration will be based on the *Tarifvertrag für den öffentlichen Dienst der Länder* (collective agreement for the public service of German federal states, TV-L). The place of work will be Würzburg.

The BETA-FOR DFG Research Unit investigates how forest structure as well as other biotic and abiotic factors influence the biodiversity in forests. The longer-term aim of the EcoGlob project is to create a biodiversity database with information about global changes. The range of the data collected is wide, and it is intended that they will be deposited in central, web-accessible research data repositories individually for each project, made accessible and available, analysed and published in scientific journals. The security and availability of the data as well as their integration into research communication and data mining will have to be ensured.

The successful applicant will be predominantly involved in the following tasks:

- Develop and implement an efficient overall data structure for the integrated analysis, answering research questions, and publishing results. Develop new AI-based methods for the analysis of complex and large sets of long-term audio and video data and analyse those data scientifically.
- Select and customise a suitable hardware and software solution for the research data repositories and their interfaces, put that solution into operation and ensure that it operates safely. Assist with all tasks relating to the digital collection, management, processing and presentation of information.

The following qualifications are required:

- A university degree in computer sciences or bio-/eco-/geoinformatics with a focus on databases or a comparable qualification
- A foundation of knowledge and skills in the system administration of Windows and Linux server systems
- A good knowledge of .NET (C#.NET) and JavaScript
- Experience with Postgresql or a similar SQL DB system as well as a version management system, e.g. git
- Relevant English and German language skills

A knowledge of geodata-based web applications (e.g. GeoServer, OpenLayers, Leaflet), ecological metadata formats, research data repositories (BExIS, OpenDataCube), long-term archiving solutions (PANGAEA, NFDI4BioDiversity) as well as statistics with R would be an asset.

The JMU is an equal opportunity employer. As such, we explicitly encourage applications from qualified women. Severely handicapped applicants will be given preferential consideration in the case of broadly equal suitability, ability and professional achievements.

The closing date for applications is 29. August 2022. Please submit your convincing application and supporting documents - preferably by email in one single PDF file - to [station@biozentrum.uni-wuerzburg.de](mailto:station@biozentrum.uni-wuerzburg.de). If you have any questions, feel free to contact Prof. Dr. Jörg Müller, ++49-16090966475, [joerg.mueller@uni-wuerzburg.de](mailto:joerg.mueller@uni-wuerzburg.de), or Prof. Dr. Ingolf Steffan-Dewenter, ++931-3186947, [ingolf.steffan-dewenter@uni-wuerzburg.de](mailto:ingolf.steffan-dewenter@uni-wuerzburg.de).

Please do not send any original documents to us; only send photocopies. As we need to save costs, we will not be able to return your documents to you. They will be shredded shortly after a hiring decision has been made. If you enclose a postage-paid return envelope, we will return your application documents to you three months after a hiring decision has been made.

