

At the University of Göttingen -Public Law Foundation-, DNPW – [Functional Agrobiodiversity & Agroecology](#), there is a position as

Postdoctoral Researcher (all genders welcome)

to be filled within the research project “Measuring biodiversity with intelligent acoustic sensors (BioIntAkt)”, <https://www.biointakt.de>. BioIntAkt is funded within the Research Initiative for the Conservation of Biodiversity (FEa) by the Federal Ministry of Education and Research. The transdisciplinary and applied project aims at the development of a smart acoustic sensor system for the monitoring of insect biodiversity. The position should be filled as soon as possible, not later than 01.05.2025 and it is limited to 31.12.2027. The salary is in accordance with the German public service salary scale (TV-L E13), 100%, which corresponds to 39.8 working hours per week.

Biodiversity is considered an important indicator of ecosystem functioning and resilience which is threatened by biodiversity losses that are often poorly documented. Within the framework of BioIntAkt we will develop digital methods to monitor biodiversity by exploiting advances in computer and data science and artificial intelligence (AI). We will develop and validate an AI-supported solution for insect monitoring based on acoustic signatures that can be integrated in citizen science applications.

Your profile

We are looking for a highly motivated and enthusiastic scientist with excellent communication skills to join our international research team. Applicants must have a PhD in ecology, biology or a related discipline. You should have excellent knowledge of ecological statistics using *R* (e.g. meta-analysis, mixed models, structural equation modelling) and preferably experience in acoustic ecology. Proficiency in GIS applications (e.g. *QGIS* or spatial analysis with *R*) is an advantage. Interested candidates should have research experience in ecoacoustics, soundscapes, biodiversity research, and/or agroecology. Fluency in written and spoken English and a strong publication record are required, experience in writing systematic reviews is an asset. You also need a driving licence and be willing to carry out field work, i.e. sample insects for the validation of the acoustic system.

Your tasks

- Systematic review of acoustic monitoring methods and their applications in conservation and agriculture with a focus on arthropods
- Identification of target species and support for the establishment of a signal reference database
- Validation of the acoustic system and citizen science applications with ecological field methods in different habitats
- Supporting the science communication and dissemination activities of BioIntAkt
- Supporting the organization of a summer school and workshops on ecoacoustics

The University of Göttingen is an equal opportunities employer and places particular emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply in fields in which they are underrepresented. The University has committed itself to being a family-friendly institution and supports their employees in balancing work and family life. The University is particularly committed to the professional participation of severely disabled employees and therefore welcomes applications from severely disabled people. In the case of equal qualifications, applications from people with severe disabilities will be given preference. A disability or equality is to be included in the application in order to protect the interests of the applicant.

Your application

Please upload your application in one pdf file to the online-portal

<http://obp.uni-goettingen.de/de-de/OBF/Index/74798> to submit your application until **16.02.2025**. Applications

should include a letter of interest, your CV, copies of your certificates and contact information of at least two

references. If you have any questions, please contact: Prof. Dr. Catrin Westphal catrin.westphal@uni-goettingen.de

For information on the research lab see www.agrobiodiversity.uni-goettingen.de

Please note:

With submission of your application, you accept the processing of your applicant data in terms of data-protection law.

Further information on the legal basis and data usage is provided in the [Information General Data Protection](#)