

Postdoctoral position in Bee-Plant Interactions

A Postdoctoral position is available at the **Plant-Insect Interactions group** as part of the **Department of Ecology and Ecosystem Management at the Technical University of Munich (TUM)**. Starting date is February 1st 2020. The position is fixed-term (36 months). Salary scale: TV-L 13, 100%.

Project description

As part of a collaborative research project (NutriB²) between several universities of five European countries (Poland, Austria, France, Belgium and Germany), we want to a) elucidate how changes in floral diversity and composition affect foraging spectra, nutritional intake and health of wild bees and b) design conservation strategies aimed at supporting bees through providing nutritionally diverse and appropriate resources. Research will be conducted in close collaboration with A. Keller (Würzburg) and A.-M. Klein (Freiburg) and within the framework of BiodivERsA (<https://www.biodiversa.org/>) and in anticipated collaboration with the German Biodiversity Exploratories (<https://www.biodiversity-exploratories.de/1/home/>). The successful applicant will supervise field work, manage stakeholder communication and workshops, and conduct bioinformatical NGS-based, chemical and statistical analyses as well as synthetical analyses of large data sets.

Applications and further information

We invite applications from highly motivated candidates with passion for and experience in research on plant-insect interactions and biodiversity and with interest in bee conservation and public outreach. Please **send your application via eMail to Dr. Sara Leonhardt (leonhardt@wzw.tum.de)** as a single PDF document until **1st December 2019**. Applications should include a cover letter, a short summary of research interests and experience, CV, list of publications, certificates, and contacts of two potential referees. Note that the position is pending final funding decision.

We require

- Strong interest and motivation in conducting biodiversity research at different levels.
- PhD in field related to ecology (e.g. pollination ecology, plant-insect interactions, botany, chemical ecology, molecular ecology and/or bioinformatics).
- Willingness to work in an international team.
- Great experience with statistical data analyses of large datasets and synthesis approaches.
- Excellent command of English and German language (oral and written).
- Excellent communication and organizing skills.
- Strong publication record.
- Driver's license (valid in the EU).

We offer

- Friendly and inspiring working atmosphere in an international ambitious young research work group, as part of a vivid ecological department at an excellent university.
- Cooperation with biodiversity frameworks, such as the Biodiversity Exploratories, a renowned and highly successful large scale experiment maintained by a large group of internationally renowned scientists and associated PhD students and Postdocs.
- Expertise in next-generation sequencing, bioinformatics, analytical chemistry and bee ecology.
- Opportunity to combine interest and work in scientific research and bee conservation.

TUM strives to raise the proportion of women in its workforce and explicitly encourages applications from qualified women. Applications from disabled persons with essentially the same qualifications will be given preference.

As part of your application, you provide personal data to the Technical University of Munich (TUM). Please view our privacy policy on collecting and processing personal data in the course of the application process pursuant to Art. 13 of the General Data Protection Regulation of the European Union (GDPR) at <https://portal.mytum.de/kompass/datenschutz/Bewerbung/>. By submitting your application you confirm to have read and understood the data protection information provided by TUM. Find out more about us at www.tum.de.