Job posting

Type of position
☒ scientific
☐ administrative

Target group
☐ graduates
☒ post docs
☐ other

Title
1 Postdoctoral Position in International Research Training Group “Geo-ecosystems in transition on the Tibetan Plateau” (TransTiP)

Institution
Leibniz Institute DSMZ in Braunschweig (Department of Microorganisms, Prof. Michael Pester) & Institute of Geosystems and Bioindication, TU Braunschweig (Prof. A. Schwalb).

Position
For the start as of March 1, 2021, TransTiP is now offering 1 postdoctoral position (until 30.06.2022, with possible extension for additional 2 years; 100% TVL-E13) dealing with molecular ecology of modern and ancient freshwater (micro-)organisms in Lake Nam Co, Tibetan Plateau.

As a core task, the researcher will use molecular tools based on ancient DNA to reconstruct past community compositions of selected freshwater indicator species (especially ostracodes, diatoms, and cyanobacteria) in Tibetan Plateau water bodies. This work should go hand in hand with doctoral research projects working on biogeochemical proxies of past climate conditions (e.g., lipid biomarkers) and the living microbial biosphere inhabiting deep sediments. Furthermore, we encourage the researcher to develop and pursue an own, independent research line fitting the main scientific interests of the host laboratories and further develop leadership skills by closely collaborating with the doctoral researchers of TransTiP. Willingness to perform sampling trips in high-altitude areas and to perform part of the experimental work in collaborating Chinese research institutions (Institute of Tibetan Plateau Research, Chinese Academy of Sciences, Beijing and Lhasa) is mandatory. Project details can be found here: https://www.tu-braunschweig.de/irtg-transtip/research/projects/biogeography/postdoc1

Responsibilities
The program includes a 6-month research stay at our partner institutions in China and provides excellent scientific and transferable skills training at all participating locations. We offer exciting modern research projects in well-equipped laboratories using state-of-the-art technologies, a communicative atmosphere within an excellent scientific network, mutual exchange with a broad range of institutions and participation in international and national conferences and workshops.
**Requirements**
- Strong scientific motivation
- Strong affection to acquire interdisciplinary work and research experience
- Experience in the analysis of environmental DNA / ancient DNA analysis / metabarcoding of eukaryotic or prokaryotic organisms / next-generation sequencing techniques (e.g. Illumina amplicon analysis)
- Expertise in bioinformatics and statistical tools
- Candidates with hands-on experience with other sophisticated molecular laboratory techniques, lab management and student supervision are also encouraged to apply
- Fluent verbal and written English communication skills
- First-author papers in peer-reviewed international journals

**Application procedure (deadline etc.)**

Start of the position: March 1st 2021  
Application deadline: November 15, 2020

Submit your application, consisting of one pdf-document, via email to transtip@tu-braunschweig.de. The application should include the following information: The application should include the following information: CV, transcript of records, certificates, letter of motivation, one-page proposal in the topical area of the proposed project, and two reference letters. Further information and eligibility criteria: https://www.tu-braunschweig.de/irtg-transtip/application/how-to-apply

TU Braunschweig is an equal opportunity employer committed to excellence through diversity. We explicitly encourage women to apply and preference will be given to disabled applicants with equivalent qualifications.

**Contact**
TransTiP Coordination Office: Dr. Nicole Börner, transtip@tu-braunschweig.de, https://www.tu-braunschweig.de/irtg-transtip