



Reference number 97/2023

Doctoral researcher in biodiversity of the atmosphere (m/f/d)

Founded in 1409, Leipzig University is one of Germany's largest universities and a leader in research and medical training. With around 30,000 students and more than 5000 members of staff across 14 faculties, it is at the heart of the vibrant and outward-looking city of Leipzig. Leipzig University offers an innovative and international working environment as well as an exciting range of career opportunities in research, teaching, knowledge and technology transfer, infrastructure and administration.

The Institute of Biology at the Faculty of Life Sciences seeks to fill the above position from 1 June 2023 or at the earliest opportunity.

The composition and the number of biological particles in the atmosphere depends on the characteristics and state of ground emission sources, such as soil, vegetation and water bodies. Climate change and associated extreme events (e.g. droughts, floods, high radiation events) and disturbances may alter the biodiversity as well as the relative distribution and emission characteristics of these sources. Climate change and disturbances like fire also alter transport processes, e.g. by increasing the convective transport of biogenic particles into the atmosphere. However, little is known about the relative importance of these processes and how their interactions determine atmospheric biodiversity. Using experiments and field observations, the successful candidate will employ molecular biology and next-generation sequencing technologies to analyse how climate extremes affect atmospheric biodiversity, with a focus on the sources of emissions and the process of bioparticle release.

About the position

- Fixed term depending on planned academic training (initially expected to be 3 years)
- 75 % of a full-time position
- Planned remuneration: salary group 13 TV-L

Duties

- Further scientific qualification towards an academic career (doctorate)
- Field and laboratory analysis using molecular biology and microbiological technologies
- Use of biology-related databases to describe atmospheric biodiversity
- Establish a workflow that focuses on important atmospheric biodiversity issues

Requirements

- Master's or equivalent degree in a project-related field (e.g. biology, environmental sciences, bioinformatics)
- Previous experience in laboratory and fieldwork would be an asset
- Good skills in R
- As a person, you are responsible and have excellent skills in team working
- Fluency in spoken and written English is mandatory (group language)

What we offer

- Excellent lab facilities and experimental platforms
- Training in molecular biology techniques, fieldwork and bioinformatics
- A mentoring programme and embedding in an international and vibrant scientific environment
- Becoming part of a large multidisciplinary scientific network: collaboration with other research groups of the Leipzig University and other institutes such as iDiv (German Centre for Integrative Biodiversity Research Halle-Jena Leipzig) or TROPOS (Leibniz Institute for Tropospheric Research)

Please send your application with the usual documents (including cover letter in English describing your motivation for the project, research interests, and relevant experience; names and contact details of two scientific referees; digital copy of your master's certificate or equivalent), quoting **reference number 97/2023**, to: **Leipzig University, Faculty of Life Sciences, Jun-Prof. Dr. Beatriz Sanchez Parra**,

Talstraße 33, 04103, Leipzig by 3 April 2023. You are also welcome to email your application as a single PDF file to beatriz.sanchez_parra@uni-leipzig.de. Please note that it is not possible to guarantee confidentiality and rule out unauthorised access by third parties when communicating by unencrypted email. We kindly request that you submit copies only, as we are unable to return application documents. Interview expenses will not be reimbursed.

For project-related questions, please contact Jun-Prof. Dr. Beatriz Sanchez Parra (beatriz.sanchez_parra@uni-leipzig.de).

Leipzig University aims to increase the proportion of women in positions of responsibility and therefore expressly invites qualified women to apply. Severely disabled persons – or persons deemed legally equal to them under Book IX of the German Social Code – are encouraged to apply and will be given preference in the case of equal suitability.

Privacy information

If you choose to apply and send us your documents, you do so voluntarily. Any personal data contained within your application documents, or obtained during an interview, will be processed by Leipzig University – as the advertiser of the position – exclusively for the purposes of the selection process for the position advertised. It will not be passed on to third parties without your consent in the individual case. The legal basis for such data processing is Sect. 11(1) of the Saxon Data Protection Implementation Act (SächsDSGD) in conjunction with the EU General Data Protection Regulation (GDPR). The controller for the application process within the meaning of the GDPR is the addressee of the application, specified in the advertisement. Your personal data will be stored for six months after the end of the recruitment process and then erased or destroyed in accordance with data protection regulations. You may refuse or withdraw your consent with effect for the future without giving reasons. In these cases, Leipzig University will not or no longer be able to process and consider your application. Under the GDPR, subject to the relevant statutory requirements you have the following rights vis-à-vis the addressee of the application with regard to your personal data: right of access (Art. 15 GDPR); right to rectification of inaccurate personal data (Art. 16 GDPR); right to erasure (Art. 17 GDPR); right to restriction of processing (Art. 18 GDPR); and right to object to processing (Art. 21 GDPR). If you have any questions, please contact the Data Protection Officer at Leipzig University (office: Augustusplatz 10, 04109 Leipzig). You also have the right to lodge a complaint with the Saxon Commissioner for Data Protection.