

Leibniz-Institut für Agrartechnik und Bioökonomie e.V. (ATB)



The Leibniz Institute for Agricultural Engineering and Bioeconomy e. V. (ATB) is a pioneer and driver of bioeconomy research. We create scientific foundations for the transformation of agricultural, food, industrial, and energy systems into a comprehensive bio-based circular economy. We develop and integrate techniques, processes, and management strategies, effectively converging technologies to crosslink bioeconomic production systems intelligently. By conducting research in dialogue with society, we aim to create knowledge-motivated and application-inspired solutions.

Postdoctoral Researcher in Seed Microbiome and Bioinformatics (m/f/d)

The following position is to be filled in the Microbiome Biotechnology department:

City: Potsdam; Starting Date: 01/04/25; Duration: 1 Jahr; Renumeration: TVL; Reference number: 2025-MB-PMBT-PD-1; Closing date: 27/02/25

Working field

- Conduct integrative analyses of microbiome datasets to explore microbial communities and their functions within seeds.
- Perform microbiological experiments, including isolation, cultivation, and characterization of seed-associated microorganisms.
- Investigate the role of the seed microbiome in microbial inheritance and plant health.
- Contribute to scientific publications and the development of research proposals for external funding.
- Collaborate with a multidisciplinary team of scientists in microbiology, molecular biology, and bioinformatics.
- Mentor and guide junior scientists, including Bachelor and Master students.
- Present research findings at national and international conferences.

Requirements

- PhD in microbiology, bioinformatics, computational biology, or a related field.
- Experience with high-throughput sequencing data analysis (e.g., metagenomics, amplicon sequencing) and its application to seed or plant microbiomes.
- Strong programming skills (e.g., Python, R) and familiarity with bioinformatics tools (e.g., QIIME2, DADA2, SILVA).
- Publication record demonstrating high-quality research in microbiome science or related fields,

particularly plant or seed microbiomes.

- Knowledge of microbiological techniques, including cultivation and characterization of seed-associated microorganisms.
- Willingness to contribute to the preparation of research proposals and project reports.
- Excellent communication skills in English; knowledge of German is an advantage.
- Ability to work independently and as part of a collaborative team.

What We Offer

- An interdisciplinary and collaborative working environment at the forefront of seed microbiome and bioinformatics research.
- The opportunity to contribute to cutting-edge research in microbiome science with high societal relevance.
- Mentorship and support in publishing and developing research proposals.
- Family-friendly working conditions and a supportive team atmosphere.
- Participation in the VBB company ticket/Deutschlandticket.
- Access to excellent research infrastructure and a picturesque location in Potsdam.

Application

The full-time position (100%) is limited to one year and will be compensated according to TV-L 13.

For further information, please contact Dr. Ahmed Abdelfattah (email: aabdelfattah@atb-potsdam.de) and visit our website at www.atb-potsdam.de.

If you would like to contribute your professional competence to our interdisciplinary research, please apply by the following deadline **27.02.2025** using ATB's online application form for the job advertisement, reference 2025-MB-PMBT-PD-1, at <https://www.atb-potsdam.de/de/karriere/offene-stellen>.

Applications received after the application deadline cannot be considered.

The interviews are scheduled for 10 March.

Equality of opportunity is part of our personnel policy. Disabled applicants with adequate qualification will be preferentially considered.

By submitting an application, you agree that your job application documents will be stored for a period of six months, even in the case of an unsuccessful application. Further information on the processing, storage and protection of your personal data can be found at <https://www.atb-potsdam.de/en/services/data-protection-declaration-for-the-application-process>.

Published on January 30, 2025

More information at <https://stellenticket.de/191474/>
Offer visible until 01/03/25

