



INSTITUTE OF MICROBIOLOGY

Czech Academy of Sciences, v. v. i.
Laboratory of Environmental Microbiology

Postdoc in Microbial Ecology

We are looking for a motivated postdoc with a previous experience in microbial ecology that will be involved in a project focusing on the involvement of bacteria in the decomposition of complex biomass in forest ecosystems: “Decoding the role of bacteria in the decomposition of polysaccharides in forest soil”. The position is funded by the grant of the Czech Science Foundation to Dr. Rubén López-Mondéjar (https://www.researchgate.net/profile/Ruben_Lopez-Mondejar).

The candidate is expected to study the bacterial communities degrading biomass in a temperate forest soil and to identify the main taxa involved in decomposition of complex biomass and the genes and enzymes taking part in this process. To achieve this, the candidate will use the combination of methods of microbiology (pure culture isolation, cultivation, identification and characterization of isolates) together with multi-omics tools such as (meta)-genomics, -transcriptomics and -proteomics.

We expect that the applicant has the following qualifications:

- PhD degree within the field of microbiology, ecology, bioinformatics or similar
- Practical experience with the use of molecular biology methods
- Ability to use bioinformatics and statistics
- Published first-authored papers in leading IF journals in the field of microbial ecology or environmental microbiology
- Fluent English
- Experience with Java scripting, Python programming and the R is an advantage
- Motivation for independent scientific work

We offer the work in an international team of the Laboratory of Environmental Microbiology of the Institute of Microbiology in Prague, Czech Republic, led by Petr Baldrian. The position is open until filled and will run until December 31, 2019, with a possibility of extension. Monthly salary is 38 000 CZK / month before taxes (approx. 1900 USD).

Please send your Curriculum Vitae, motivation letter and contacts to at least two independent professionals who can provide reference. Candidates will be selected based on their publication record, fit to the research area and an interview (for invited candidates only).

The starting date is negotiable.

For more information, please contact Rubén López-Mondéjar (mondejar@biomed.cas.cz)