



We are offering a PostDoc position in Environmental Biotechnology at TU Graz (Austria) for two years starting March 1st 2018.

The indoor & plant microbiome: understanding its diversity for human health

Although indoor environments harbour numerous specific microbial communities, little is known about the microbial diversity within these communities and their impact on human health. We will study indoor and plant microbiomes in contrasting ecosystems. Differences and impact of a-biotic and biotic factors will be analysed by statistical approaches of amplicon sequencing data, e.g. by network analyses. This approach will reveal the composition of core and transient fractions of indoor microbial communities and the role of plants in the systems, which will be also assessed regarding effects on human health. Our experimental design is topped off with elucidating impacts of microbial diversity on antibiotic resistance development. As a pioneering approach, we will also a multi omics approach for this topic. The results will provide new insights into the effect of man-made activities on the indoor microbiome and human health.

Job description

Your key tasks as a PosDoc are:

- Manage and carry through the above described research project
- Write excellent scientific articles and disseminate your research

Key criteria for the assessment of candidates

- A PhD's degree related to the subject area of the project
- Relevant biological research experience within these areas: Microbiome research, Molecular biology, Microbiology, Biotechnology evidenced by research publications
- Language skills: fluency in English

Salary will be in accordance with the rules and regulations laid down by FWF

<https://www.fwf.ac.at/de/forschungsfoerderung/personalkostensaetze/> (64.670 €/year).

Application Procedure

The application, in English or German, must be submitted as one pdf file. **Please include:** Cover Letter, detailing your motivation and background for applying for the project, CV, Diploma and PhD certificates, 1-3 professional referees (Name, address, & email), Documentation of English language qualifications, Other information for consideration, e.g. list of publications Please send your application to Gabriele.berg@tugraz.at. **Deadline of applications will be February 15th 2018.**

Information

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Complete publication list: <http://scholar.google.at/citations?user=TeMrTQQAAAAJ&hl=de>
