



## Advertisement of a Vacancy

At the Faculty of Chemistry and Physics, Institute for Biosciences, environmental microbiology group of Technische Universität Bergakademie Freiberg the position of a

### Scientific coworker/Postdoc

with salary according to TV-L E13 (full time) is to be filled at the earliest possible date (January 1<sup>st</sup> 2019 or later). The position will initially be terminated to 3 years, but can be extended.

The environmental microbiology group focusses on investigations of various aspects of microbial leaching of ores and microbial mine-water treatment. Methods cover the isolation and characterization of new strains, genomic, transcriptomic and community analyses as well as attachment experiments and leaching in continuous bioreactors (including chemical analyses). The existing team should be strengthened by the new coworker paid for from the university budget.

We expect:

- university degree on the level of Master or equivalent with very good grades in biology, biotechnology, applied science, geoecology, chemistry or similar with an emphasis on microbiology,
- Ph.D. with very good grades,
- solid microbiological knowledge and experience in microbiological methods,
- a high degree of initiative, self-organization, capacity for teamwork, and diligence,
- a passion for scientific work,
- readiness to become acquainted with new topics, and
- good command of German and English.

In addition the ideal candidate will have:

- experience in the cultivation and investigation of acidophilic iron oxidizing microorganisms as well as basic knowledge in mineralogy,
- experience with writing English publications and proposals for third-party funding, as well as
- experience in next generation sequencing for genome, transcriptome or community analyses, or
- experience in imaging technologies (CLSM, fluorescence microscopy) for the visualization of biofilms, or
- experience in the continuous cultivation of microorganisms in bioreactors.

The institute for biosciences is very well equipped and in the context of the Biohydrometallurgical Center Freiberg offers excellent conditions for interdisciplinary cooperation with other groups from natural sciences, geosciences or engineering with interest in bioleaching.

According to the rules of the state of Saxony a contribution to teaching especially in lab courses for students and in lectures relevant for the lab courses is expected with up to 4 hours per week per semester.

The position is suited to pursue a habilitation project.

Further information can be obtained from Prof. Dr. Michael Schlömann (Tel.: +49-3731-393739; secretary: Monique.Leibelt@ioez.tu-freiberg.de).

TU Bergakademie Freiberg intends to increase the percentage of women in teaching and research, and therefore applications of qualified women are especially welcome. Given the same qualification, handicapped people will be considered preferentially.

Applications including CV, outline of research interests, and copies of academic certificates should be submitted by email (as a single PDF-document) until **23.11.2018** to the Department of Human Resources at TU Bergakademie Freiberg, Akademiestr. 6, 09596 Freiberg or Dezernat.3@zuv.tu-freiberg.de, respectively, using the vacancy reference number **(219/2018)**.