To strengthen our team in the division 4.2 “Material-Microbiome Interactions” in Berlin-Steglitz, starting 01.09.2024, we are looking for a

# PhD student (m/f/d) in the field of microbiology, environmental microbiology, molecular biology or comparable

Salary group 13 TVöD
Temporary contract for 36 months
The working time is 65%

The Bundesanstalt für Materialforschung und -prüfung (BAM) is a materials research organization in Germany. Our mission is to ensure safety in technology and chemistry. We perform research and testing in materials science, materials engineering and chemistry to improve the safety of products and processes. At BAM we do research that matters. Our work covers a broad array of topics in the focus areas of energy, infrastructure, environment, materials, and analytical sciences.
The advertised position is part of the newly founded division 4.2 "Material-Microbiome Interactions", which deals with the biological aspects of materials research. The field of work includes the influence of nanomaterials on microbial communities.

We are looking for talented people to join us.

**Your responsibilities include:** Working on the BAM project "Microbial communities as an indicator for the impact of engineered nanomaterials on the environment", including:

- Sampling of aquatic ecosystems with regard to microorganisms and nanomaterials
- Conducting laboratory experiments to investigate the effects of nanomaterials on the composition and function of microbial communities
- Microbial and molecular biological laboratory work (DNA extraction, PCR, qPCR)
- Evaluation of sequence and environmental data
- Writing scientific publications for publication in peer-reviewed journals
- Writing a dissertation for the award of a doctorate
- Presentation of project results at international scientific conferences
- Supervision of students (internships, theses)

**Your qualifications:**

- Successfully completed scientific university studies (Master/Diploma) in the field of microbiology, environmental microbiology, molecular biology or comparable
- In-depth practical experience with microbiological and molecular biological laboratory work
- Very good knowledge of environmental microbiology and genomics
- Very good written and spoken English skills
- Great interest in interdisciplinary, applied research
- Knowledge of handling sequence and environmental data, statistical evaluation of data with R is an advantage
- Experience in setting up experiments and field sampling is desirable
- Knowledge in the field of nanosciences is an advantage

- Good communication and information behaviour, goal-oriented and structured way of working, ability to work in a team and willingness to cooperate, willingness to learn as well as conceptual and strategic and innovative thinking skills

**We offer:**

- Interdisciplinary research at the interface of politics, economics and society
- Work in national and international networks with universities, research institutes and industrial companies
- Outstanding facilities and infrastructure
- Flexible working hours and mobile working

**Your application:** We welcome applications via the online application form by 12.07.2024. Alternatively, you can also send your application by post, quoting the reference number 145/24-4.2 to:

Bundesanstalt für Materialforschung und -prüfung
Referat Z.3 - Personal
Unter den Eichen 87
12205 Berlin
GERMANY
www.bam.de

Dr. Oberbeckmann will be glad to answer any specific questions you may have. Please get in touch via the telephone number +49 30 8104-1420 and/or by email to Sonja.Oberbeckmann@bam.de.

BAM promotes professional equality between women and men. We therefore particularly welcome applications from women. At the same time, we strive to reflect social diversity. Every application is therefore welcome, regardless of gender, cultural or social background, religion, ideology or sexual identity.

In addition, BAM has set itself the goal of promoting the professional participation of people with severe disabilities. The fulfillment of the job requirements is considered on an individual basis. Severely disabled persons or persons of equal status will be given preferential consideration if they are equally qualified.

The advertised position requires a low level of physical aptitude.

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**I am interested and would like to apply**

**Back**

BAM actively supports the compatibility of work and family and has been certified as a family- and life-phase-conscious employer by the “audit berufundfamilie” since 2015.