Job announcement (Bio 01/2021)

The Department of Biological Oceanography at the Leibniz Institute for Baltic Sea Research Warnemünde (IOW) invites applications for a

**Ph.D. position**

The fixed-term position will start at the earliest date possible and continue for three years. Remuneration is paid in accordance with the public sector employment (TV-L EG 13, 65%).

The IOW is an independent research institute within the Leibniz Association, engaged in system analysis of coastal and marginal seas, with special focus on the Baltic Sea. The scientists at the four departments (Biological Oceanography, Marine Chemistry, Marine Geology, Physical Oceanography and Instrumentation) cooperate within the framework of a joint research program. The position will be associated with a Junior Research Group, focusing on microbial oceanography and biogeochemistry, with particular interest in microbial interactions in plankton communities.

**Project and job description**

The project will focus on microbial interactions between phytoplankton, fungi and bacteria. We will particularly study parasitic infections on phytoplankton, and their effects on microbial interactions, biogeochemical cycles and ecosystem functioning. The methodology will span from single-cell to mesoscale flux measurements using biogeochemical, microbiological and molecular tools. These tools include stable-isotope incubations, mass spectrometry (*e.g.*, GC-IRMS, EA-IRMS, and nanoSIMS), microscopy, marker-gene sequencing, fluorescence-*in-situ*-hybridization and nutrient analyses, which will be applied on laboratory-grown co-cultures and field-sampled plankton communities.

The candidate will be responsible for growing the relevant isolates in culture as well as for conducting field-going sampling (including sea-going expeditions),...
incubation experiments, sample analyses, computational data analyses, and finally drafting the study outcome for submission to peer-reviewed journals.

**Qualification requirements**

We are seeking a candidate with an excellent university degree (Master/Diploma) in Biological Oceanography, Earth System Science, Aquatic Microbiology, Geomicrobiology or related fields. The ability for working in the field and willingness to participate in sea-going research expeditions are a prerequisite. We further welcome experience with the relevant methodologies, and any knowledge on aquatic element cycling and microplankton communities. The ideal candidate demonstrates good communication skills in English, a high degree in self-dependent working, and importantly, great interpersonal and team-minded skills.

In conclusion, we are looking for an applicant who is highly talented in experimental work, sample and data analyses and scientific writing, to be able to achieve a Ph.D. degree within three years.

Please include the following information/documents with your application

- Contact details
- Cover letter describing your expectations from the position and your motivation for applying (max. two pages)
- CV
- Contact details of two reference persons
- Degree certificates and grades confirming that you meet the entry requirements into the Ph.D. program
- Degree thesis *(e.g., master thesis)*

We recommend to hand in your application, including all necessary documents, in English. Applicants are kindly asked to send their applications quoting the code *Bio 01/2021 until February 14th, 2021* to

**bewerbung.biologie@io-warnemuende.de** (as a merged pdf) or to

Leibniz Institute for Baltic Sea Research Warnemünde  
Dept. Human Resources  
Seestraße 15  
18119 Rostock  
Germany

Closing date: **February 14th, 2020**

The interviews are planned for March 2021.
Costs for preparing and submitting the application cannot be reimbursed.

Applications of disabled persons with the same professional and personal qualifications will be treated preferentially. Please indicate a handicap in the cover letter and enclose the relevant certificate.

The job advertisement is aiming at all persons regardless of their gender (*gender-neutral). The IOW promotes equal opportunities and has been awarded for the third time in a row the Total Equality Certificate in 2019. An overview of our measures for equal opportunities and to improve the compatibility of work and family can be found at https://www.io-warnemuende.de/equal-opportunity.html. Applications of female candidates are encouraged.

The Leibniz Institute for Baltic Sea Research offers a diverse working environment in the immediate vicinity of the Baltic Sea. Interdisciplinary research topics on brackish and marine ecosystems, broad in-house expertise in physical, chemical and biological oceanography, and marine geology, state-of-the-art laboratory equipment and infrastructure together with modern facilities provide an excellent framework for the planned research.

For further information, please email Isabell Klawonn, Ph.D. (isabell.klawonn(at)io-warnemuende.de) or visit our website www.io-warnemuende.de and/or the website of the responsible laboratory.

This announcement is available under https://www.io-warnemuende.de/job-advertisements-and-scholarships.html

We look forward to receiving your application.