

## **Job posting** (Bio 07/2024)

The Leibniz Institute for Baltic Sea Research Warnemünde (IOW) has a temporary vacancy for a

### **PhD position in the Section of Biological Oceanography**

for a period of three years and a percentage of 75% (30 h/week) starting on December 1<sup>st</sup> 2024. Remuneration is paid in accordance with the Tarifvertrag für den öffentlichen Dienst der Länder (TV-L, Public Sector Collective Agreement on Länder) salary scale at level 13 (75%).

#### **Who are we?**

The IOW is an independent research institute of the Leibniz Association for which equal opportunities, family friendliness, and work-life balance are very important. Our research focus is on the coastal and marginal seas, especially the Baltic Sea. The staff of the four sections Physical Oceanography and Instrumentation, Marine Chemistry, Biological Oceanography, and Marine Geology works interdisciplinary within a joint research program.

#### **What will be your tasks?**

The PhD is conducted within the framework of the DFG project "BALTICMAGS," which investigates the role of magnetotactic bacteria in the Baltic Sea. The aim of the project is to explore the distribution and behavior of these bacteria to better understand their impact on chemical cycles, particularly the phosphorus cycle. The planned research includes: analyzing the frequency, distribution, and polyphosphate storage of these bacteria compared to chemical profiles, especially phosphate; detailed characterization of the taxonomic and morphological diversity of magnetotactic bacteria throughout the depth of the chemocline, including the analysis of specific inclusions; and describing the chemotactic behavior of these bacteria in terms of their orientation and swimming behavior under natural conditions and dependent on chemical conditions. Participation in at least one ship expedition is recommended as part of the project.

The results of the studies are to be presented in manuscripts, project reports, and presentations at international conferences and will contribute to the doctoral thesis.

### **What do we expect from you?**

At the time of hiring you have an excellent university degree (Master's) in Microbiology, Biological Oceanography, Biogeochemistry, or a related field. You possess very good oral and written English language skills. A solid foundational knowledge of microbial ecology and the impact of microorganisms on aquatic biogeochemical cycles would be highly desirable. Basic experience in characterizing microbial communities through sequencing and bioinformatics analysis would be advantageous. Experience in culturing bacteria and working under sterile conditions would also be desirable.

### **What does the IOW offer?**

The IOW offers you a varied workplace in the immediate vicinity of the Baltic Sea ([Work at sea](#)) with flexible working arrangements, e.g. the possibility of working from home or remotely. A very good infrastructure with modern laboratory and office equipment, including on our own research vessel, forms the framework for the best working conditions.

### **How do we promote equal opportunities?**

Our job offers are aimed at all people regardless of their gender. Research benefits from a diverse working environment, which is why we have signed the Diversity Charter.

IOW aims to specifically promote women in areas where they are underrepresented. For this purpose, the institute has given itself a plan to promote equality ([plan for the equal opportunities committee at the IOW](#)) and has repeatedly been awarded the Total E-Quality award for its commitment ([website TOTAL E-QUALITY e. V.](#)) Female applicants are given preference in the case of equal qualifications and suitability, as the position belongs to a working group in which women are underrepresented. You can find an overview of our measures for equal opportunities and for improving the compatibility of work and family on our [website](#).

We give preference to applications from disabled persons with equal professional and personal suitability. Please mention the disability or equality in your letter of application and enclose a copy of the relevant certificate.

### **How to apply?**

Please send us your meaningful application documents, including a cover letter, CV, copies of your certificates (high school diploma, bachelor's, master's). If applicable, describe relevant activities and experiences and include certificates or references.

We look forward to receiving your application, quoting the

**keyword: Bio 07/2024**

**by September 25th 2024**

to: [bewerbung.biologie@io-warnemuende.de](mailto:bewerbung.biologie@io-warnemuende.de)

or  
Leibniz Institute for Baltic Sea Research Warnemünde  
Human Resources Department  
Seestraße 15  
18119 Rostock  
Germany

The interviews are expected to take place on October 7th 2024

Unfortunately, we cannot cover your application and travel costs.

For further information, please contact:

Heide Schulz-Vogt ([heide.schulz-vogt@io-warnemuende.de](mailto:heide.schulz-vogt@io-warnemuende.de))