Job announcement (Bio 03/2022)

The Department Biological Oceanography of the Leibniz Institute for Baltic Sea Research Warnemünde (IOW) is offering a part-time (30 hrs/week) PhD position starting February 2022. Remuneration is paid in accordance with the TV-L salary scale at level EG 13 (75% of a full-time position). The employment is temporary for 3 years.

The IOW is an independent institute of the Leibniz Association, engaged in system analysis of coastal and marginal seas, with special focus on the Baltic Sea. The scientists of the four departments (Physical Oceanography, Marine Chemistry, Biological Oceanography and Marine Geology) cooperate within the framework of a joint research program.

Project description
Coastal areas worldwide are under high utilization pressure and are additionally threatened by climate change (storms, high temperatures, lack of oxygen). This leads to strong changes of the entire habitat including the metabolism. Therefore, a comprehensive and in-depth understanding of microbial processes is urgently needed, especially in shallow waters. However, investigations in shallow waters are extremely difficult due to the high dynamics and strong wave impact and require close cooperation across disciplinary boundaries which is to be realized within the framework of a long-term initiative at the IOW. How microbial processes of the nitrogen cycle are influenced by water-sediment interactions, or benthic colonization, will be investigated in this PhD thesis. Rate measurements in the field, use of landers and laboratory experiments are planned. In addition, a method to quantify denitrification in these sediments will be developed and applied. For this purpose, a cooperation with the University of Helsinki is planned.

Qualification
The applicant needs a university degree (diploma or master's degree with above-average grades) in marine sciences, should enjoy experimental and field work and close cooperation with colleagues from other disciplines. Willingness and the ability to participate in field trips at sea and extended stays abroad should be a given. Very good English skills are mandatory. In addition, expertise in stable isotope work, laboratory experiments and technical interest are desirable.
Candidates are asked to send their application (letter of motivation, CV, copies of certificates and 2-3 references) to bewerbung.biologie@io-warnemuende.de or to the Leibniz-Institut für Ostseeforschung Warnemünde Personalauswahl Seestraße 15 D-18119 Warnemünde, Germany

**Key word: Bio 03/2022**

**Deadline for the application is November 18th 2022.**

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

The job advertisement is aimed at all persons regardless of their gender. The IOW promotes equal opportunities and was awarded the Total Equality Award (TEQ) regularly since 2013. An overview of our measures to 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 particularly encouraged and will be treated preferentially in case of equal qualifications and suitability, as the post to be filled belongs to a structural unit in which women are underrepresented.

The Leibniz Institute for Baltic Sea Research offers a varied work in the immediate vicinity of the Baltic Sea. Interdisciplinary research topics on the Baltic Sea ecosystem, 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 best research conditions.

Application and travel costs cannot be reimbursed.

For more information please contact:

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