

## Job announcement Bio 01/2019

The departments Biological Oceanography and Marine Chemistry of the Leibniz Institute for Baltic Sea Research Warnemünde (IOW) are offering a

### **PhD position in Biogeochemistry/Marine Microbiology**

(26 hours/week) at the earliest convenient date. Remuneration is paid in accordance with the TV-L salary scale at level EG 13 monthly gross salary. 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.

#### **Job description**

Marine oxygen minimum zones (OMZ) are important sites of trace gas production (e.g.,  $N_2O$ ,  $CH_4$ ). In the project EVAR (The Benguela Upwelling System under climate change - Effects of variability in physical forcing on carbon and oxygen; see <https://www.io-warnemuende.de/evan.html>) we will investigate trace gas production in the OMZ of the Benguela upwelling system (Namibia). The PhD student will have the unique opportunities to work both in the groups "Microbial Ecology" and "Trace gas chemistry and to combine ship-based field work with lab experiments in order to investigate regulating mechanisms of trace gas production and to identify responsible microorganisms. In the frame of this project two ship expeditions of several weeks in Namibia and accompanying laboratory studies with microbial communities at IOW are planned. State-of-the-art trace gas analytics, stable isotope techniques and molecular microbial approaches will be applied. The successful applicant will work closely together with two PostDocs addressing microbial community functional analysis and trace gas transport and flux.

#### **Qualification**

MSc in Biology, Chemistry, Geology or related field is mandatory; good background in marine biogeochemistry and microbiology; experiences with process rate measurements and molecular/bioinformatics methods for microbial community

analysis, are desirable. Willingness to participate in research expeditions and to pursue research in an interdisciplinary framework is expected.

Applicants are asked to send their complete applications (CV, copies of certificates, references) quoting the

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Until **02/15/2019** to:

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

or

Leibniz Institute for Baltic Sea Research Warnemünde

Dept. Human Resources

Seestraße 15

D-18119 Rostock

Germany

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 IOW promotes equal opportunities and has been awarded the Total Equality Certificate in 2013 and 2016. An overview of our actions on gender equality and for improving the work-family balance can be viewed at <https://www.io-warnemuende.de/equal-opportunity.html>.

Applications of female candidates are expressly encouraged and will be treated preferably in case of equal qualifications and suitability.

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 further information please contact:

Prof. Dr. Klaus Jürgens, Prof. Dr. Gregor Rehder

or visit our website: [www.io-warnemuende.de](http://www.io-warnemuende.de)

For more information on the project EVAR please see <https://www.io-warnemuende.de/evar.html>.