

Job announcement Marine Chemistry (CHE-05/2019)

The Department Marine Chemistry at the Leibniz Institute for Baltic Sea Research Warnemünde (IOW) is offering a full-time (40 hrs./week) position of a

Research Scientist (Post Doc)

for two years in the framework of the project SPECTROPHABS, starting at the earliest convenience. Remuneration is paid depending on the individual qualification and in accordance with the TV-L EG 13. The position may be covered part-time with at least 30 working hours per week.

The IOW is an independent institute of the Leibniz Association, engaged in system analysis of coastal and marginal seas, with regional 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

The IOW pursues chemical, biological, geological, and physical observations in marine ecosystems, applying and improving most advanced measurement techniques. In the framework of the project **SPECTROPHABS (Spectrophotometric pH-measurements for monitoring of marine acidification in the Baltic Sea)**, based on the results of the project BONUS PINBAL (<https://www.io-warnemuende.de/pinbal-home.html>), we aim to address remaining open questions towards a long-term stable monitoring of pH in the Baltic Sea. On the long run, the project should lead into operational routines for spectrophotometric pH measurement in the Baltic Sea and hence, the development of a strategy towards long-term monitoring of pH and marine acidification in a complex brackish water environment. Individual goals of the project include i.) evaluation of the currently commercially available instrumentation for spectrophotometric pH measurements in seawater; ii.) a strict uncertainty evaluation as function of the key parameters affecting the measurement, iii.) evaluation of problems resulting from the limited

availability of the purified indicator dye and iv) demonstration of routine measurement schemes within the German monitoring activities.

Qualification of the Candidate

The new employee will be hosted in the Department of Marine Chemistry, within the working group “Trace Gas Biogeochemistry”, surrounded by an environment with long lasting expertise in the field of the marine carbon system. We are seeking a motivated scientist with demonstrated expertise in the fields of the marine inorganic carbon system and/or spectrophotometric pH-measurements. Applicants must have a degree (Master/Diploma) in natural sciences and a doctorate/PhD in marine chemistry, analytical chemistry, environmental chemistry, or a related discipline. A clear scientific profile, supported by the publication record, is expected, as is the willingness to work at sea, fluency in English, and the ability to work in a team.

Besides in depth knowledge of the marine carbon system and spectrophotometric pH measurements, experience with the handling of large data volumes as well as use of modern statistical software packages such as *R* or *Matlab*, is desirable. A proven interest in marine biogeochemistry is helpful.

Application deadline is 20.01. 2020

Applications should include CV, motivation letter with statement of suitability for the position, list of publications, copies of certificates, and description of relevant experiences. Information on references is welcome, but not mandatory.

Applications should be submitted, quoting the **reference code CHE-05/2019**, no later than **20.01.2020** to:

bewerbung.chemie@io-warnemuende.de

or

Leibniz Institute for Baltic Sea Research Warnemünde (IOW)
Human Resources Department
Seestraße 15, D-18119 Rostock

Unfortunately, application and travel costs cannot be reimbursed.

For further information please contact:

Prof. Dr. Gregor Rehder (gregor.rehder@io-warnemuende.de) or visit our website:
www.io-warnemuende.de

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 workplace 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, as well as state-of-the-art-laboratories and a very good infrastructure provide the framework for the best research conditions.