

Job announcement (Bio-02/2021)

The Department of Biological Oceanography of the Leibniz Institute for Baltic Sea Research Warnemünde (IOW) is offering a full-time tenure track position (40 h/week) in

Bioinformatics

at the earliest convenience. Remuneration is paid in accordance with the TV-L salary scale at level EG 13 monthly gross salary.

If legally feasible, the position will be initially filled as a 3 years fixed term contract. Depending on the qualifications and the scientific development of the successful job holder, a further extension up to a maximum of five years is possible. After a successful evaluation following the IOW tenure track procedure, the position can become permanent. The position is also suitable for part-time employment with at least 20 working hours per week.

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

We are looking for an outstanding bioinformatician who will develop computing solutions in support of marine environmental studies and who is motivated to participate in ongoing research (see <https://www.io-warnemuende.de/biological-oceanography.html/>). The following tasks are expected to be fulfilled:

- Bioinformatic analysis and workflow development, especially with regard to next generation sequencing (MetaOMICS) of environmental data
- Introduction of students and scientists and support of projects in relation to bioinformatics and biostatistical analysis of sequence data
- Guidance on the use of multivariate data analysis and artificial intelligence tools

- Establishment of a bioinformatic research group with projects in connection with molecular biological methods in the field of ecology, biogeochemistry or evolution of marine organisms with focus on marine (micro-) organisms

Qualification

The prerequisite for a successful application is MS degree or higher in computer science or life sciences with a strong computational focus. In depth experience in the analysis of "high-throughput sequencing" and "omics" data (metagenomes / metatranscriptomes, genome analyses) is required. Experience in programming (e.g. Python and R), tools of artificial intelligence (e.g. Random Forest) and biostatistics are particularly desired. Experience in marine microbial ecology is advantageous. Experience in the analysis of eukaryotic sequences is also an advantage. Candidates must have strong communication skills and follow best practices in code documentation and general record keeping. The candidate should be motivated for doing scientific research both independently and harmoniously in a team of researchers. A proactive and constructive personality as well as fluent English speaking and writing abilities are expected.

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

Code: **Bio-02/2021**

Until **15.02.2021** to:

bewerbung.biologie@io-warnemuende.de

or

Leibniz Institute for Baltic Sea Research Warnemünde

Dept. Human Resources

Seestraße 15

D-18119 Rostock

Germany

If legally feasible, the temporary employment will allow for scientific qualification (§ 2 Abs. 1 WissZeitVG).

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

The IOW promotes equal opportunities and was awarded the Total Equality Award (TEQ) in 2013, 2016 and 2019. An overview of our measures to equal opportunities



and to improve the compatibility of work and family can be found at <http://www.io-warnemuende.de/gleichstellung.html>. Our family office, equipped with computer workstation and toys, offers parents the opportunity to take children to the IOW for shorter time periods.

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 unfortunately cannot be reimbursed.

For further Information please contact:

Prof. Dr. Matthias Labrenz (Email: matthias.labrenz@io-warnemuende.de)

or visit our website: www.io-warnemuende.de

