



The Working group Environmental Biochemistry at the Carl von Ossietzky University of Oldenburg, Germany, is seeking an advanced postdoctoral researcher to carry out projects in natural products chemistry and chemical ecology of marine invertebrates and associated microorganisms. We are offering a

4-year Postdoctoral Position (E 13, 100 %)

The salary will be according to TV-L level 13. The position is funded for four years, starting as soon as possible (from August 1, 2016). An extension for another 2 years is possible. The position is suitable for part-time work.

The search for novel pharmacologically active marine natural products is one of the most important challenges in natural product research of this century. Most of the traditional resources have been exploited and only the combination of using novel biological resources (e.g. micro- and macroorganisms from coral reefs or deep sea habitats), together with highly sophisticated biological assays and screening technologies can be successful in the future. The aim of our project is the exploration of the vast diversity of natural compounds with diverse biological activities from various marine invertebrates and associated microorganisms. Within this project, unique biological resources will be systematically investigated via various pharmacological screening campaigns. By investigating the chemical ecology of the target organisms, we also aim to gain new insights into the ecological function of such compounds.

We are seeking a motivated postdoctoral candidate with an academic university degree (master or equivalent) and a PhD in Biology, Chemistry, Marine Environmental Science to join our research team. The successful candidate will be responsible for running and maintaining our newly acquired high-resolution MALDI-TOF Imaging Mass Spectrometer. Research focus on marine natural products will not only be the isolation and characterization of MNPs, but also the localization of the compounds in the producing organisms. This should allow new and novel insights into compound production and the chemical ecology of MNPs. The ideal candidate should have a strong background and extensive experience in marine natural products research, especially in running and maintaining mass spectrometers. He will be joining a team of chemical and microbial ecologists and chemists at the ICBM in Wilhelmshaven.

Required Qualifications:

- PhD in Chemistry, Biology, Marine Environmental Science or related field
- extensive experience in running and maintaining mass spectrometers
- strong background and experience in marine natural products research (e.g. extraction, dereplication, isolation, structure elucidation via NMR)
- Excellent English speaking and writing/publication skills are essential



- Efficient self-organization, laboratory management skills and being a team player are social prerequisites

Additional assets include experience in Imaging Mass Spectrometry. The candidate should be inquisitive and critical thinking, problem solving and team-leading, as he is expected to co-supervise Master and PhD students.

The University of Oldenburg is dedicated to increasing the percentage of women in science. Therefore, female candidates are particularly encouraged to apply. In accordance with Lower Saxony legal regulations (NHG §21), equally qualified female candidates will be given preference.

Applicants with disabilities will be employed preferentially if equally qualified.

We ask applicants to send a single PDF file containing their CV and letter of motivation as well as contact information of three references by e-mail (preferred) to Peter Schupp (peter.schupp@uni-oldenburg.de). Alternatively the application could be sent by mail to Prof. Peter Schupp, ICBM, Postfach 2503, 26111 Oldenburg, Germany. Additional information about the group can be found under <http://www.icbm.de/umweltbiochemie/>. Review of applications will start 1.6.2016.