

Job offer ref. #06-20001

The Senckenberg Gesellschaft für Naturforschung (SGN) was founded in 1817 and is one of the most important research institutions in the field of biological diversity. At its eleven locations throughout Germany, scientists from more than 180 nations conduct state-of-the-art research on an international level. The Society's headquarters are located in Frankfurt, the metropolis on the Main River in the heart of Germany.

For our location in **Hamburg**, Department German Center for Marine Biodiversity Research, **Division Zooplankton**, we are looking for a

Postdoc (m/f/d)

in the BMBF project "BioWeb"

Biodiversity and food webs in the southern North Sea have changed dramatically due to changes in environmental conditions, declining fishing intensity and reduced nutrient loads from the major tributaries. Related shifts in the food web can strongly influence ecosystem services and the usability of biological resources. Plankton organisms are at the base of the marine food web and are particularly sensitive to environmental changes.

To better understand the effects of anthropogenic induced changes on biodiversity and food webs, existing long-term data of meroplankton will be statistically analyzed. The long-term data will be supplemented by spatially resolved, ongoing sampling, which will be analyzed by molecular methods (metabarcoding, MALDI-TOF MS). Dominant functional features and their changes will be identified and incorporated into suitable food web models to improve their parameterization.

Your tasks:

- Analysis of temporal changes in the biodiversity of the meroplankton off Helgoland using long-term data sets
- Identification of functional properties (biological "traits") for meroplanktonic organisms relevant for trophic interactions or sensitivity to environmental parameters
- Analysis of spatially resolved zooplankton samples using molecular methods (metabarcoding, MALDI-TOF MS) in close cooperation with the molecular labs in Wilhelmshaven
- Preparation of scientific publications on the above-mentioned topics and communication of the results

Your profile:

- a PhD in either marine biology, fisheries biology, biological oceanography or comparable field, or in bio-statistics, bio-informatics with some experience in ecological research is required
- sound knowledge of statistics and experience in the organization and analysis of large data sets is advantageous
- motivation for intensive training in statistical methods is required
- experience in time-series analysis is advantageous

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world of biodiversity

- familiarity with the ecology and taxonomy of zooplankton in a food-web context is advantageous
- candidates should have a record of producing high quality scientific papers and making oral presentations of research results to a range of audiences
- interest in interdisciplinary research; strong communication skills

Salary and benefits are according to a full-time public service position in Germany (TV-H E 13, 100%). The contract should start on December 1st, 2020 and will be limited until October 31st, 2023. The Senckenberg Gesellschaft für Naturforschung supports equal opportunity of men and women and therefore strongly invites women to apply. Equally qualified handicapped applicants will be given preference. The place of employment will be Hamburg, Germany.

You would like to apply?

Please send your application, mentioning the reference of this job offer (**ref. #06-20001**) before **October 18th, 2020** by e-mail (attachment in a single pdf document) and including a cover letter detailing research interests and experience, a detailed CV and a copy of your certification to:

Senckenberg Gesellschaft für Naturforschung
Senckenberganlage 25
60325 Frankfurt am Main

E-Mail: recruiting@senckenberg.de

For scientific enquiries please contact Dr. Jasmin Renz, jrenz@senckenberg.de.