

Job announcement ref. #02-24004

The Senckenberg Gesellschaft für Naturforschung (SGN) was founded in 1817 and is one of the most important research institutions in the field of biodiversity. At its locations throughout Germany, scientists from over 40 nations conduct cutting-edge research on an international scale. Senckenberg am Meer in the port city of Wilhelmshaven is the northernmost institute of the society. It cooperates with important research institutions in German marine research as well as colleges and universities. Located directly on the North Sea, the Wilhelmshaven site also offers local recreation in unspoilt nature as well as a wide range of cultural activities.

At the Senckenberg German Center for Marine Biodiversity Research (DZMB) in Wilhelmshaven we are looking to hire as soon as possible a

**Lab and project manager (m/f/d)
of marine NextGen sequencing projects**

(full-time position / part-time options available)

Your tasks

- Supporting and consulting PIs in DNA and library preparation for metabarcoding, e-DNA, RAD sequencing, or high throughput amplicon sequencing, and other applications like *de novo* genome and transcriptome sequencing of marine organisms
- Developing strategies for high-quality DNA isolation and quantification from marine organism of difficult sources (meio and macrobenthos, zooplankton, Dinophyceae, deep-sea)
- Supporting PIs with bioinformatic analysis of Illumina runs (MiSeq, NextSeq), and prepare results and analyses for reports and scientific publications
- Being responsible for organizing, operating, maintaining, and enhancing the NextGen Laboratory infrastructure in Wilhelmshaven (PCR and qPCR machines, MiSeq sequencer, Nanopore, Tape Station, etc.)
- Organizing and documenting sample preparation and NextGen sequencing for internal and external partners
- Manage communication with research groups (Universities, KDM and DAM Institutes), service providers and database managers
- Participating and organizing sampling campaigns for NextGen projects at sea, responsible for sampling gears and sampling design at sea
- Contribute to Senckenberg's research portfolio including our focus on "Anthropocene Biodiversity Loss"
- Contribute to organization-wide administrative roles relating to research (e.g. participation on internal and external committees, public outreach initiatives,)
- Willingness to participate in marine expeditions

Your Qualification

- Scientific degree (Master of Science) preferably on a marine topic using molecular methods
- Illumina training certificate and experience with operating NextGen sequencing platforms (e.g. MiSeq)
- Experience with library preparation (transcriptomes, metabarcoding, e-DNA, RAD sequencing) and quantification methods (Tape Station, Qbit, qPCR)
- Knowledge and experience in organizing, operating, maintaining, and enhancing laboratory infrastructure
- Experience with demultiplexing and statistical analyses of Illumina Libraries
- Programming experience for NextGen analysis using script languages (R, BASH, sed, Python)
- Experience with writing bioinformatic scripts for parallel computing on distributed UNIX/Linux clusters
- Experience with Managing NextGen sequencing projects with external partners
- Experience and solid understanding of DNA and NextGen sequencing technology
- Sea-going expedition experience on research vessels and solid understanding of sampling methods and sampling design for marine communities
- Highly service orientated with excellent communication skills

What is awaiting you?

- An interesting task in a dynamic team of researchers in an international research institution
- The opportunity to gain experience in the above-mentioned research field
- Occasion to build a network with scientists in interdisciplinary fields
- flexible working hours – mobile working – support with child care or care for family members (certified by the „audit berufundfamilie“) – a company badge – annual special payment according to the public service tariff – annual paid leave of 30 days – company pension scheme

Place of employment: Wilhelmshaven (Lower Saxony)

Working hours: Full time position (40 weekly working hours) / part time options are available (minimum 75%)

Type of contract: Start of contract is ideally as soon as possible; the contract is initially limited for 2 years, and can be made permanent after this period

Remuneration: According to the public service tariff TV-H E 11 – E 12 (depending on qualification and experience)

SENCKENBERG

world of biodiversity

Senckenberg is committed to diversity. We benefit from the different expertise, perspectives and personalities of our staff and welcome every application from qualified candidates, irrespective of age, gender, ethnic or cultural origin, religion and ideology, sexual orientation and identity or disability. Applicants with a severe disability will be given special consideration in case of equal suitability. Senckenberg actively supports the compatibility of work and family and places great emphasis on an equal and inclusive work culture.

We welcome your application!

Please send your complete and comprehensive application (letter of motivation with a short description of your previous and current research foci, a CV, certificates of academic achievements as well as letters of recommendation) electronically (as a single PDF) to recruiting@senckenberg.de mentioning the reference number #02-24004 by 14.08.2024. Alternatively, you can apply directly through our online application form at our home page www.senckenberg.de/de/karriere/bewerbung/.

Senckenberg Gesellschaft für Naturforschung
Senckenberganlage 25
60325 Frankfurt a.M.
E-Mail: recruiting@senckenberg.de



For specific questions regarding the position, please contact Prof. Dr. Pedro Martínez Arbizu pedro.martinez@senckenberg.de.

For more information about the Senckenberg Research Society please visit <http://www.senckenberg.de>.