



The Institute of Fishery Ecology at the Johann Heinrich von Thünen-Institute, Federal Research Institute for Rural Areas, Forestry and Fisheries, in Bremerhaven is offering a position for a

**scientific assistant (f/m/d)
(PhD student)**

with 65 % of the regular weekly working time. The position is filled until 13.12.2021 at the earliest opportunity. The employment relationship shall be limited in time in accordance with section 2(1) sentence 1 of the Wissenschaftszeitvertragsgesetz. The call for applications is therefore directed at applicants who, in addition to their employment relationship, wish to pursue their own continuing academic education, in particular their doctorate. In this context, the Thünen Institute for Fishery Ecology cooperates with various universities.

Background of the project:

The aim is to determine the competitive potential of high-throughput sequencing methods in comparison to conventional fisheries surveys for the survey of fish stocks. At the Thünen Institute for Fishery Ecology, methods for the qualitative (meta barcoding) and quantitative analysis (RT-PCR/dPCR) of environmental DNA (eDNA) of important fish species from seawater samples will be developed and applied.

Tasks:

- Literature research on the current status of eDNA analysis with a focus on marine fish stocks.
- Method development from sampling to sequence analysis (NGS) with special emphasis on avoiding contamination and methodological bias
- Development of bioinformatic evaluation strategies
- Multivariate data analysis and statistical modeling
- Writing scientific publications
- Presentation of the results

Technical requirements:

- University degree (M.Sc./Univ.-Dipl.) in the field of molecular genetics, fisheries biology or related qualifying study courses
- practical laboratory experience with molecular genetic working methods
- basic knowledge of NGS methods and bioinformatics
- good knowledge of statistical evaluation methods (preferably with R)
- very good knowledge of written and spoken English

Personal requirements:

- Readiness for doctorate
- Willingness to participate in sea-going research trips
- High level of teamwork skills and ability to work independently
- Independent and structured way of working
- Ability to analyse complex issues

We offer you a highly interesting activity in applied research with a strong practical orientation at the interface between science and policy advice, the results of which also meet with considerable public interest.

The employment is governed by the Wage Agreement for Public Services (TVöD-Bund). The payment of remuneration is carried out according to tariff-category 13 TVöD.

The Thünen Institute promotes the professional equality of women and men and is thus especially interested in applications from women.

Severely disabled applicants with equal qualification will be given particular consideration. Only a minimum physical aptitude is expected from them.

For questions and additional information, please contact Dr. Erik Eschbach (Tel.: 0471/94460 278, E-Mail: erik.eschbach@thuenen.de).

Please send your application with your curriculum vitae in table form, a description of your training and professional career as well as copies of certificates, **keyword 19-122-FI**, by **28.04.2019**, preferably electronically as one (1) pdf document, to

fi-bewerbungen@thuenen.de

or in writing to the

Johann Heinrich von Thünen-Institute
Institute for Fisheries Ecology
Herwigstrasse 31, 27570 Bremerhaven, Germany

Informations about Artikel 13 DSGVO: www.thuenen.de/datenschutzhinweis-bewerbungen.