



At the Institute for Fishery Ecology of the Johann Heinrich von Thünen Institute, Federal Research Institute for Rural Areas, Forests and Fisheries, the position in the Fish Diseases Working Group at the Bremerhaven location is available as soon as possible and is expected to last until December 31, 2026 for a

**postdoctoral researcher (f/m/d)
in the fields of biology, marine biology, fisheries biology, biochemistry,
environmental sciences or veterinary medicine**

as part of the third-party funded project ElbeXtreme (effects of extreme weather events in the Elbe estuary) funded by the BMBF DAM, subject to approval of the funds, with TVÖD E13 100% of the regular weekly working hours.

Extreme weather events such as droughts, heavy rain and storm surges are increasing in frequency and intensity due to the climate crisis and can have strong impacts on sensitive ecosystems such as rivers and estuaries. ElbeXtreme is an interdisciplinary consortium that will conduct research on the effects of extreme weather events in the Elbe estuary. As part of ElbeXtreme, the Thünen Institute for Fisheries Ecology will investigate the effects of extreme weather events on fish (ElbeXtreme-Fish). For this purpose, laboratory studies are planned using three-spined sticklebacks as model organisms, which may be supplemented by field studies.

The laboratory will investigate how factors that can be important during extreme weather events (temperature shifts, changes in salinity, release of pollutants) affect the health of fish. Findings from cell culture work should be deepened with animal experiments with sticklebacks. The aim of the studies is to better understand the effects of extreme weather events on fish and to develop approaches for environmental and fisheries management that help to make fish stocks more resilient to extreme events.

The studies on fish should be closely linked with studies on blue mussels (Uni-Rostock) and microorganisms (GEOMAR-Kiel). Furthermore, interactions with environmental analysts (AWI, BSH) and environmental modelers (Hereon) are important in the ElbeXtreme consortium.

The tasks include:

- Planning and conducting laboratory experiments with isolated fish cells and live fish
- Dissection of fish for extraction of tissues and cells
- Creating primary cell cultures and measuring vital cell parameters
- Interaction with partners in the consortium
- Participation in project meetings and presentation of results
- Evaluation of the results and their publication in specialist journals

We expect:

- Doctorate in biology, marine biology, fisheries biology, biochemistry, veterinary medicine, environmental sciences or comparable
- Willingness to carry out animal experiments with fish
- Strong cooperation and communication skills, motivation and the willingness to work independently
- Willingness and motivation to exchange and cooperate with consortium partners from different disciplines
- Good knowledge of German and English, both spoken and written
- Confident use of statistics, spreadsheets, presentation and word processing software

We offer highly interesting work in applied research with practical and policy-relevant questions, the results of which also attract considerable public interest. You can expect a job in an interdisciplinary team with modern equipment.



We support the compatibility of work and family and are holders of the [audit berufundfamilie](#)' certificate. The Thünen Institute offers flexible working time models, home office and telework within the scope of the official possibilities. Part-time employment is possible in principle.

The employment relationship is based on the provisions of the collective agreement for the public service (TVöD); The fee is paid according to pay group 13 TVöD.

The Thünen Institute promotes professional equality between women and men and therefore expressly welcomes applications from women.

Severely disabled people are given special consideration if they are equally qualified. They are required to have a minimum level of physical fitness within the scope of the task.

If you have questions, please contact Dr. J.P. Scharsack (Tel.: 0471-94460-223, Email: joern.scharsack@thuenen.de).

Please send written applications (mandatory electronically as a single PDF document) with a tabular CV, description of training and professional career as well as copies of certificates **by January 08, 2024** using the keyword **"2023-286-FI"** to:

fi-bewerbungen@thuenen.de

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Informationen about Artikel 13 DSGVO: www.thuenen.de/de/thuenen-institut/karriere