

The Institute of Biology and Environmental Sciences (IBU) at the School of Mathematics and Science seeks applications for a

Professorship in Navigation Biology
salary scale W3 (m/f/x)

commencing 01 April 2024.

This is an intentionally broad announcement. Outstanding, internationally recognized, scientists using biochemistry, molecular biology, neuroscience, genetics, genomics, biophysics, behavioural biology, ecology, nature conservation and/or any other approach, which can centrally contribute to a better understanding of navigation/orientation in any animal group (including both vertebrates and invertebrates) are encouraged to apply.

The required selection criteria will be: a high quality publication and third-party funding record under consideration of the applicant's career stage, a clearly innovative and collaborative research approach, international experience, previous and planned scientific interdisciplinary collaborations, the quality, realizability, and fit of the applicant's concrete research concepts for her/his contribution to the interdisciplinary SFB 1372 "Magnetic Reception and Navigation in Vertebrates" and future planned initiatives which will expand our focus to include invertebrates and the consequences of what we learned about animal navigation on the environment, technology and humanity, as well as a high quality teaching concept. A clear scientific relevance to the multidisciplinary research networks pursued in SFB 1372 and future initiatives is required to be proven by corresponding high quality publications in at least one research area strongly related to SFB 1372 and future initiatives.

The IBU pursues a broad research approach "from genes and senses to ecosystems".

Research areas that could fit into the future concept of the IBU are for instance:

- Functional genomic approaches related to navigation/orientation
- Spatial coding in the brain
- Molecular, biophysical, and/or biochemical mechanisms underlying the senses essential for navigation/orientation
- Ecosystem services of migratory organisms or ecological consequences caused by migratory organisms
- Sensory ecology related to migration and navigation/orientation
- Cue integration in animal navigation/orientation
- Any other experimental approach to understanding animal migration and navigation/orientation

A successful applicant is also required to contribute to at least one of the other research focus areas of the IBU beyond navigation/orientation. Contributions to other collaborative research initiatives (e.g., DynaCom, DynaDeep) are desired.

It is required that the professorship will fully cover their research field in basic and advanced teaching in the bachelor programs "Environmental Sciences" and "Biology" and in the master programs "Biology" and "Landscape Ecology". Participation of the professorship in the graduate program "Neurosensory Science and Systems" is desired.

Both junior research group leaders (Emmy Noether program, ERC, etc.) and more established scientists are strongly encouraged to apply. Prerequisites for employment are specified in section 25 of the Lower Saxony Higher Education Act (NHG).

The University aims to increase the proportion of female professors and strongly encourages female academics to apply. Equally qualified female candidates will be considered preferentially. In case of equal aptitude, applicants with disabilities will be given priority in hiring decisions. The university actively promotes the compatibility of family, work and private life.

Newly appointed professors are supported by the faculty during their start with coaching sessions for newly appointed professors. The position is suitable for part-time employment.

Applications (preferably in the English language) including a full curriculum vitae, certificates, a list of publications, an account of present and previous third-party funded research activities focusing on the last 5 years, a teaching concept as well as a list of courses taught and formal presentations given, and a research concept which should include planned contributions to SFB 1372 and described future initiatives and to the IBU research priorities are to be submitted, preferably as a consolidated PDF file, **by 20.10.2023** to Carl von Ossietzky Universität Oldenburg, School of Biology and Environmental Sciences (IBU), attn Prof. Dr. Gabriele Gerlach, 26111 Oldenburg, Germany or **berufungen.ibu@uol.de**