



Universität Hamburg

DER FORSCHUNG | DER LEHRE | DER BILDUNG



# RESEARCH ASSOCIATE FOR THE PROJECT “EVOLUTION OF GLOBINS AND OTHER GENE FAMILIES IN LUNGFISH AND RELATED SPECIES” § 28 SUBSECTION 3 HMBHG

**Institution:** Faculty of Mathematics, Informatics and Natural Sciences, Department of Biology, Institute of Cell and Systems Biology of Animals

**Salary level:** EGR. 13 TV-L

**Start date:** 01.06.2022, fixed for a period of 36 month (This is a fixed-term contract in accordance with Section 2 of the academic fixed-term labor contract act [Wissenschaftszeitvertragsgesetz, WissZeitVG]).

**Application deadline:** 2022-05-28

**Scope of work:** part-time

**Weekly hours:** 65 % of standard work hours per week

## Responsibilities

Duties include academic services in the project named above. Research associates may also pursue independent research and further academic qualifications.

## Specific Duties

Lungfish are the closest living relatives to all land vertebrates among the "fishes". Their phylogenetic position is crucial for the investigation of both tetrapod evolution and innovations associated with the terrestrialization of vertebrates and the required adaptations. Lungfish also show remarkable physiological adaptations, such as hypoxia tolerance, aestivation, longevity, and the ability of regeneration of entire limbs. Lungfish have the largest genomes known in the animal kingdom. The project aims to understand the genomic imprint of the transition from fish to tetrapod and the adaptations to a terrestrial environment, as well as the identification of lungfish-specific adaptations. We will use tissue-specific transcriptomes of all lungfish-species (and, when available, also the lungfish genome) to identify genes and gene families that had been crucial for these adaptation. We will start with the globin gene family, which is a model system for gene evolution and which display a remarkable diversity in lungfish.

## Requirements

A university degree in a relevant field.

The applicant should hold a master (or similar) degree in biology, biochemistry, bioinformatics or a comparable degree program. Sound knowledge in the methods of molecular biology and a strong background in sequence analyses are required. Experience with Next Generation Sequencing techniques and their analysis is desirable. Ability of analytical thinking and teamwork, as well as good English skills are required.

## We offer



Reliable remuneration based on wage agreements



Continuing education opportunities



University pensions



Attractive location



Flexible working hours



Work-life balance opportunities



Reduced rates available for a HVV-Proficard (transit pass) and much more



Health management



Educational leave



30 days of vacation per annum

As a University of Excellence, Universität Hamburg is one of the strongest research universities in Germany. As a flagship university in the greater Hamburg region, it nurtures innovative, cooperative contacts to partners within and outside academia. It also provides and promotes sustainable education, knowledge, and knowledge exchange locally, nationally, and internationally.

Severely disabled and disabled applicants with the same status will receive preference over equally qualified non-disabled applicants.

## Tips on applying

### Contact

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### Location

Martin-Luther-King-Platz 3  
20146 Hamburg  
[Zu Google Maps](#)

### Reference number

168

### Application deadline

2022-05-28

Send us your complete application documents (cover letter, curriculum vitae, copies of degree certificate(s) and if necessary ID attesting to your disability or proof of equivalent status) via the online application form only.

If you experience technical problems, send an email to [bewerbungen@uni-hamburg.de](mailto:bewerbungen@uni-hamburg.de).

More information on [data protection](#) in selection procedures.



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