Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG

RESEARCH ASSOCIATE FOR THE PROJECT "MOLECULAR ADAPTATIONS OF THE BRAIN OF DIVING MAMMALS" § 28 SUBSECTION 3 HMBHG

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

A remarkable feature of many whales and seals is an extraordinary dive capacity, which allows some species to remain submerged for more than 2 h. This astonishing performance is due to a combination of various behavioural, anatomical and physiological adaptations. With this project, we want to reveal the specific molecular mechanisms that explain the unusual hypoxia tolerance in the brain of diving mammals and the task distribution between neurons and glial cells. To provide a novel understanding of the energy metabolism and stress response of the mammalian brain the applicant will generate celltype specific transcriptomes via SingleCellSequencing and LaserCaptureMicrodissection. After identifying possible candidate genes the applicant will proceed with functional analysis via neuronal and glia cell culture.

Requirements

A university degree in a relevant field.

University degree (Msc, Diploma) in biology, biochemistry, bioinformatics or a relevant field. The applicant should have sound knowledge and experience in the methods of molecular biology, NGS techniques and their analysis. Experience in cell culture is desirable. Team spirit, ability of scientific writing and at least basic knowledge in bioinformatics are required. Good oral and written English skills are necessary.

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

169

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.

More information on data protection in selection procedures.