



PHD STUDENT/RESEARCH ASSOCIATE FOR THE PROJECT “SECOND MESSENGER SIGNALING IN ASTROCYTES” WITHIN THE SFB 1328 „ADENINE NUCLEOTIDES IN IMMUNITY AND INFLAMMATION“ § 28 SUBSECTION 3 HMBHG

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

Salary level: EGR. 13 TV-L

Start date: as soon as possible, fixed until 30.06.2026 (This is a fixed-term contract in accordance with Section 2 of the academic fixed-term labor contract act [Wissenschaftszeitvertragsgesetz, WissZeitVG]).

Application deadline: 2022-10-05

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. They may also pursue doctoral studies outside of working hours.

Specific Duties

The central goal of the SFB 1328 is to further our understanding of the regulatory roles of intracellular adenine nucleotides (cAMP, NAADP) as well as extracellular adenine nucleotides (ATP, ADP) and their kinetics in the context of inflammatory diseases. The Division of Neurophysiology investigates the role of astrocytes in brain function and pathophysiology (neuroinflammation). We employ two-photon/confocal calcium and cAMP imaging combined with patch-clamp electrophysiology, optogenetics and immunohistology. The successful candidate will be part of the team that uses these techniques to study second messenger signaling in astrocytes in acute brain slices of the hippocampus and the olfactory bulb. Performing and analysing imaging experiments as well as antibody staining of fixed tissue will be part of the duties.

Requirements

A university degree in a relevant field.

We are searching for a highly motivated PhD student (master degree or equivalent in neuroscience, cell biology, biophysics, biochemistry, molecular biology or similar) to join our team. We are looking for a team player with good experimental skills and

a broad interest in neuroscience and immunology. The following experience is advantageous but not mandatory:

- confocal and two-photon microscopy
- calcium and cAMP imaging
- immunohistochemistry
- patch-clamp electrophysiology

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](#)

APPLY here

Reference number

379

Application deadline

2022-10-05

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.



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