



Universität Hamburg  
DER FORSCHUNG | DER LEHRE | DER BILDUNG

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.

The Faculty of Mathematics, Informatics and Natural Sciences, Department of Biology invites applications for a

## RESEARCH ASSOCIATE FOR THE PROJECT

### “PHD-PROJECT: EFFECTS OF ESTUARINE MICROBES ON THE MOLECULAR STRESS PHYSIOLOGY OF PLANTS”

- SALARY LEVEL 13 TV-L -

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The position in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) commences on January 1, 2021.

This is a fixed-term contract in accordance with Section 2 of the academic fixed-term labor contract act (Wissenschaftszeitvertragsgesetz, WissZeitVG). The term is fixed for a period of three years. The position calls for 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:

The PhD student will be a member of the DFG funded Research Training Group BiCEst (Biota-mediated effects on Carbon cycling in Estuaries) and the lab of Molecular Plant Physiology. The PhD student will investigate how microbial communities from rhizospheres of estuarine marshes affect morphology and fitness as well as salinity and flooding tolerance of plants. The molecular status of the plants will be monitored by transcriptomics, qPCR on established marker genes and by noninvasive determination of luminescence in promoter-LUCIFERASE plants with the NightSHADE system.

\* Full-time positions currently comprise 39 hours per week.

## REQUIREMENTS:

A university degree in a relevant field, i.e., Biology, Biochemistry, or Molecular Life Science. The successful candidate should have knowledge and experience in plant development and/or stress physiology (biotic stress would be favorable) and in analysis of gene expression (experience in transcriptomics would be advantageous). Solid knowledge in scientific writing, team spirit, and at least basic knowledge on bioinformatics and/or biostatistics are welcome. Good oral and written English skills are necessary.

Qualified disabled candidates or applicants with equivalent status receive preference in the application process.

For further information, please contact [stefan.hoth@uni-hamburg.de](mailto:stefan.hoth@uni-hamburg.de) or consult our website at [www.grk2530-bicest.uni-hamburg.de](http://www.grk2530-bicest.uni-hamburg.de).

Applications should include a motivation letter, a tabular curriculum vitae, copies and transcripts of degree certificate(s) and a summary of the MA thesis. Please send the applications as one pdf-document by October 18, 2020 to: [grk-bicest.biologie@uni-hamburg.de](mailto:grk-bicest.biologie@uni-hamburg.de).

Please do not submit original documents as we are **not** able to return them. Any documents submitted will be destroyed after the application process has concluded.