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: MODELING BIOTIC INTERACTIONS AND THEIR EFFECTS ON CARBON CYCLING IN ESTUARINE MARSHES”**

- SALARY LEVEL 13 TV-L -

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 Ecological Modeling.

The PhD student will investigate the complex interactions between soil microbes, plants, and herbivores and their effects on carbon fluxes in estuarine marshes, which may be crucial for global carbon sequestration. Moreover, effects of temperature, water level, and salinity on these interactions will be quantified. To this end, a novel, process-based numerical marsh ecosystem model will be developed, which will be parametrised based on field measurements along environmental gradients, which will be carried out by other members of BiCEst.

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

A university degree in a relevant field, i.e., Biology, Geosciences, or Environmental Sciences. The successful candidate should have knowledge and experience in ecology, in particular vegetation and ecosystem processes, and biogeochemistry, and also skills in numerical modeling and scientific writing. Furthermore, team spirit, expertise in soil science, hydrology, and experience with Linux are an asset. Good oral and written English skills are necessary.

The Free and Hanseatic City of Hamburg promotes equal opportunity. As men are currently underrepresented in this job category at Universität Hamburg according to the evaluation conducted under the Hamburg act on gender equality (Hamburgisches Gleichstellungsgesetz, HambGleiG), we encourage men to apply for this position. Equally qualified and suitable male applicants will receive preference.

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

For further information, please contact philipp.porada@uni-hamburg.de or consult our website at www.grk2530-bicest.uni-hamburg.de. The selection procedure includes two steps: In a first step, qualified candidates will be identified based on the written applications. In a second step, the candidates who successfully passed step 1 will be invited to a three days selection workshop (presumably virtual). This workshop is scheduled for September 14-16, 2020.

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 August 1, 2020 to: 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.