



Universität Hamburg

DER FORSCHUNG | DER LEHRE | DER BILDUNG

**Research Center CEN
Seminar/Institute**

Mathematics, Informatics, Natural Sciences/
Institute of Hydrobiology and Fisheries Science

Universität Hamburg invites applications for a Research Associate for the project “**CLIMAR (CLIMAR: Climate-driven Changes in the Habitat Suitability of Marine Organisms) and Fish Transgenerational adaptative Strategies to ocean acidification and warming**” in accordance with Section 28 subsection 3 of the Hamburg Higher Education Act (Hamburgisches Hochschulgesetz, HmbHG). The position commences on November 15th 2017.

It is remunerated at the salary level TV-L 13 and calls for 39 hours per week.

The fixed-term nature of this contract is based upon Section 2 of the Academic Fixed-Term Labor Contract Act (Wissenschaftszeitvertragsgesetz, WissZeitVG). The term is fixed to 1.5 years.

The University aims to increase the number of women in research and teaching and explicitly encourages qualified women to apply. Equally qualified female applicants will receive preference in accordance with the Hamburg Equality Act (Hamburgisches Gleichstellungsgesetz, HmbGleiG).

Responsibilities:

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

Specific Duties:

The candidate will work within ‘CLIMAR’ and ‘FITNESS’, two international projects examining the impacts of ocean acidification and warming on marine animals. The successful candidate will be based in newly renovated laboratory facilities at the Institute of Hydrobiology and Fisheries Science in Hamburg. Nevertheless, the candidate should be prepared to visit and collaborate with project partners in western/southern Europe (France, Italy) and the Patagonia region of South America (Argentina and Chile).

We seek a strong candidate with a demonstrated research background in ocean acidification and ecophysiology to conduct short-term experiments on the embryos and larvae of key temperate marine fishes and invertebrates inhabiting northern European waters (e.g. Atlantic cod, Atlantic herring, blue mussel). Measurements will include but are not limited to: i) survival, development and growth; ii) foraging behavior and efficiency; iii) metabolic rate via micro-respirometry; iv) thermal tolerance (e.g. ramping assays for CT_{min} and CT_{max}); v) biochemical growth proxies (e.g. nucleic acid ratios, enzymes). Data will also be used to parameterize balanced bioenergetics budgets.



Requirements:

A university degree in a relevant subject plus doctorate. A PhD in zoology, oceanography, animal physiology or a related discipline is required. Other requirements include:

- 1) Previous experience in the cultivation of marine organisms,
- 2) In-depth knowledge of the design and application of controlled laboratory experiments examining ocean acidification,
- 3) An understanding of balanced bioenergetics and ecophysiology of marine organisms,
- 4) A thorough background in statistical techniques used to analyze these laboratory data,
- 5) The ability to work independently, take responsibility and work within a multi-cultural team,
- 6) A good command of the English language.

Severely disabled applicants will receive preference over equally qualified non-disabled applicants.

For further information, please contact Prof. Ph.D. Myron A. Peck (myron.peck@uni-hamburg.de) or consult our website at http://www.uni-hamburg.de/ihf/ihf_descript.html .

Applications should include a cover letter, curriculum vitae, and copies of degree certificate(s). The application deadline is September 29th 2017 . Please send applications to:

Prof. Ph.D. Myron A. Peck (myron.peck@uni-hamburg.de) .