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 Earth System Sciences/Institute for Geology invites applications for a

**RESEARCH ASSOCIATE FOR THE PROJECT “NEOTECTONIC EVOLUTION OF THE ISLAND OF RHODES (GREECE) DURING THE PLEISTOCENE: AN INTEGRATED MICROPALAEONTOLOGICAL AND STRUCTURAL GEOLGY APPROACH (NERHO)”**

- 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 01.06.2021 at the earliest.

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 75 % 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 and project results may be used in the context of doctorate.

**SPECIFIC DUTIES:**

The Island of Rhodes is situated at the collision zone between the African and Eurasian plates and contains microfossil-rich sedimentary archives. These archives provide the opportunity to reconstruct tectonically-induced past vertical motions of the island based on microfossil assemblages. The main aim is to better understand long-term and short-term tectonic events during ongoing plate convergence in the eastern Mediterranean region. In the NERHO project, we will use an interdisciplinary approach combining micropalaeontological and structural geological methods combined with a set of statistical and chronostratigraphic methods. Detailed quantitative paleo-water depth reconstructions in different depocenters along the Eastern coast of Rhodes will allow us to accurately estimate rates of past local vertical motions.

* Full-time positions currently comprise 39 hours per week.
These estimates will be compared to each other and to neotectonic crustal deformation kinematics derived from remote sensing and field-based kinematic analyses of first-order structural discontinuities by using the present sea level as reference level.

We are looking for a candidate who is interested in benthic foraminiferal analyses and in the reconstruction of vertical tectonic motions in Pleistocene sediment sections from the Island of Rhodes. Specifically, the successful candidate will participate in fieldwork sampling campaigns, and will primarily be responsible for benthic foraminiferal faunal and stable oxygen and carbon isotope analyses. The candidate will also be responsible for the chronostratigraphic framework and the quantification of vertical neotectonic motions using a set of statistical methods including benthic foraminiferal transfer functions. The candidate will be integrated in our multidisciplinary research group and will closely cooperate with another candidate responsible for the structural geological part of the project.

**REQUIREMENTS:**

A university degree in a relevant field. Experience in applied micropalontology, preferable in benthic foraminiferal and stable isotope analyses. Experience in the application of multivariate statistical methods is desirable.

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

For further information, please contact Dr. Yvonne Milker (yvonne.milker@uni-hamburg.de) or consult our website at https://www.geo.uni-hamburg.de/geologie.html.

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by 28 Feb 2021 to: yvonne.milker@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.