The Universität Hamburg invites applications for a Research Associate for the project “Biological threats: Analysis and integrated assessment of biological risks (BIGAUGE)” in accordance with Section 28 subsection 3 of the Hamburg Higher Education Act (Hamburgisches Hochschulgesetz, HmbHG). The position commences as soon as possible.

It is remunerated at the salary level TV-L 13 or 14 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 22.05.2022.

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 position is within a BMBF (Federal Ministry for Research and Education) funded project in the area of civil security research. Within the project BIGAUGE (Biological threats: Analysis and integrated assessment of biological risks) the candidate will be responsible for the development of algorithms for a complex computational tool for the modelling of pathogen related biological risks. He or she will supervise PhD candidates and cooperate with external project partners.

Requirements:
A university degree in a relevant subject plus doctorat (f.e. computer science, physics, epidemiology, bioinformatics mathematics or a comparable field) He or she will have in-depth experience in computational modelling and simulation, software development/software engineering, probability theory, mathematical stochastics, reliability theory and game theory. The candidate will also be experienced in applying game theory and graph theory in risk analysis and will have sound knowledge in computer languages (e.g. python, java and mathematica) and programming concepts as well as good German language skills.
Knowledge of approaches in the epidemiological modelling of infection chains will be an asset, the ability to cooperate in a highly interdisciplinary team, experience in the discrete preparation and implementation of research projects, acquaintance with publishing results frequently on national and international conferences and journals are highly appreciated.

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

For further information, please contact Dr Gunnar Jeremias gunnar.jeremias@uni-hamburg.de

Applications should include a cover letter, curriculum vitae, and copies of degree certificate(s). The application deadline is 06.10.2017. Please send applications by mail to: Dr Gunnar Jeremias at gunnar.jeremias@uni-hamburg.de.