



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, Center in Hamburg for Astro-, Mathematical and Particle Physics invites applications for 16

RESEARCH ASSOCIATES FOR THE PROJECT “CLUSTER OF EXCELLENCE QUANTUM UNIVERSE” EXPERIMENTAL/THEORETICAL ASTRO-/PARTICLE PHYSICS OR MATHEMATICAL PHYSICS/MATHEMATICS

- 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 16 April 2021 or later.

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 3 years. The position calls for 26 hours.

RESPONSIBILITIES:

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

SPECIFIC DUTIES:

The Cluster of Excellence “Quantum Universe” performs research to understand mass and gravity at the interface between quantum physics and cosmology. The research team includes leading scientists from mathematics, particle physics, astrophysics, and cosmology at Universität Hamburg and DESY.

The cluster invites applications for a doctoral Fellowship Program for young scientists in research fields within the cluster’s scope, i.e. experimental or theoretical particle physics, observational or theoretical astrophysics, mathematical physics or mathematics. The research program of the associated groups includes Higgs physics, Dark Matter, particle cosmology, gravitational waves, compact objects, galactic and extragalactic

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

astrophysics, future facilities and novel detector techniques, (big) data science, string theory, quantum field theory and mathematics, especially algebra and geometry. A list of possible PhD topics may be found at www.qu.uni-hamburg.de/jobs/pool-call-phd-topics.

Doctoral research associates will become members of the Quantum Universe Research School (QRS), which provides academic and soft skills training, as well as career planning support. In addition, they will receive individual budgets to facilitate the attendance of summer schools and conferences, and to support other educational measures. Additional travel money for project-specific duties will be provided by the hosting research groups. Doctoral research associates may actively participate in the organization of the Cluster via an early career council.

REQUIREMENTS:

A university degree in a relevant field.

The Free and Hanseatic City of Hamburg promotes equal opportunity. As women 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 women to apply for this position. Equally qualified and suitable female applicants will receive preference.

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

For further information, please contact the Cluster (jobs.qu@uni-hamburg.de) or consult our website at www.qu.uni-hamburg.de. An overview of potential supervisors may be found at www.qu.uni-hamburg.de/cluster/team.

Applications should include a cover letter, a tabular curriculum vitae, copies of degree certificate(s) and a transcript of records. Please submit applications by 14 February 2021 via www.qu.uni-hamburg.de/jobs/pool-call-phd. In the online application preferred supervisor(s) and PhD thesis topics may be named. Please arrange for 2 recommendation letters submitted by the same date via www.qu.uni-hamburg.de/jobs/pool-call-reference. In case of technical problems, you may contact jobs.qu@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.