

Faculty/Department: Mathematics, Informatics, Natural Sciences/Mathematics
Seminar/Institute: Analysis and Differential Geometry

Universität Hamburg invites applications for a Research Associate for the project “**Cluster of Excellence Quantum Universe**” in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG). The position commences on 1 October 2019.

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 for a period of 3 years.

The University aims to increase the number of women in research and teaching and explicitly encourages women to apply. Equally qualified female applicants will receive preference in accordance with the Hamburg act on gender equality (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 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 successful candidate will work on research problems in geometry and string theory. She or he should have experience in interdisciplinary collaboration in this area with a strong interest in mathematical aspects. The mathematical background should include differential and complex geometry. Specific topics of particular interest to the project are, for example, the global geometry of moduli spaces, special geometric structures (G-structures and generalizations thereof), dualities, supersymmetry breaking, space-time geometry in theories of gravity and geometric flows.

Requirements:

A university degree in a relevant subject plus doctorate.

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

For further information, please contact Prof. Dr. Vicente Cortés (+49 49 42838-5166, vicente.cortes@math.uni-hamburg.de), Prof. Dr. Jan Louis (+49 49 42838-4476, jan.louis@uni-hamburg.de) or consult our website at www.qu.uni-hamburg.de.

Applications should include a cover letter, curriculum vitae, and copies of degree certificate(s). The application deadline is 14 January 2019. Please send applications to: vicente.cortes@math.uni-hamburg.de, jan.louis@uni-hamburg.de and office@qu.uni-hamburg.de.