JUNIOR PROFESSORSHIP (W1) WITH TENURE TRACK LEADING TO A W2 (TENURE TRACK PROFESSORSHIP) FOR ASTROPHYSICS WITH A FOCUS ON MACHINE LEARNING IN ASTROPHYSICS

Institution: Faculty of Mathematics, Informatics and Natural Sciences
Salary level: W1 with Tenure Track leading to a W2
Commencement of duties: as soon as possible
Application deadline: 2023-04-27

Responsibilities:
We are seeking an internationally renowned researcher to develop machine learning technologies and their applications in astrophysics. Preferred research topics include those in extragalactic astrophysics and cosmology, especially the use of AI methods for understanding cosmological structural formation.

The professorship is located at Hamburg Observatory, which is part of the Department of Physics. We expect active collaboration with existing research groups at the Observatory and in the Cluster of Excellence Quantum Universe (https://www.qu.uni-hamburg.de). Participation in the newly founded Center for Data and Computing in the Natural Sciences (https://www.cdcn.uni-hamburg.de/en) and the House of Computing and Data Science (https://www.hcds.uni-hamburg.de/en) is also desired. We expect the post holder to teach by giving lectures, practical courses, seminars, and to supervise theses in all degree programs in the Department of Physics.

We expect the applicant to collaborate in the University’s core research area Particle, Astro- and Mathematical Physics.

Section 12 subsection 7 sentence 2 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) applies.

Requirements:
Academic qualifications and additional requirements as specified in Section 18 HmbHG.

Additional Criteria:
Applicants are expected to have international research experience as well as a successful track record in acquiring external funding and carrying out externally funded projects.
The University places particular emphasis on the quality of teaching and therefore requests that applicants provide details of their teaching experience and objectives.

Non-German-speaking post holders are expected to acquire the language skills necessary to teach in German (Level C1 of the Common European Framework of Reference for Languages) within two years of commencing employment.

Junior professors have academic autonomy in their research and teaching. Applicant’s subject interests are expected to relate to topics in extragalactic astrophysics.

A tenure track evaluation will be conducted during the second phase of the junior professorship in order to determine whether requirements for appointment to a W2 professorship have been met. Section 15 HmbHG applies. If the evaluation is positive, the candidate will be offered a tenured W2 professorship. The regulations prohibiting internal appointments also apply to this junior professorship.

The 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.

As a University for sustainability, we put human resources development and especially the development and advancement of our early career researchers at the fore of our strategic endeavors. By strengthening the tenure track professorship, Universität Hamburg has introduced a specific career opportunity for early career researchers. This junior professorship is aimed at early career researchers who completed their doctoral studies no more than 4 years ago.

In accordance with Section 14 subsection 3 sentence 3 HmbHG, Universität Hamburg seeks to increase the proportion of women in teaching and research and encourages female academics to apply.

Severely disabled and disabled applicants with the same status will receive preference over equally qualified non-disabled applicants.

Instructions for applying

Contact
Prof. Dr. Marcus Brüggen
marcus.brueggen@hs.uni-hamburg.de
+49 40 42838-8537

Prof. Dr. Robi Banerjee
robi.banerjee@hs.uni-hamburg.de
+49 40 42838-8404

Reference number
JP 351

Application deadline
2023-04-27

Please submit your application electronically with your curriculum vitae, list of publications, teaching experience, successful record of acquiring external funding and conducting externally funded projects, copies of certificates and documents, 3 representative publications, teaching and research plans, and additional evidence of skills and experience (e.g., presentations, posters, significant roles held in organizations, etc.), and the reference number, by email as a single PDF file, to Bewerbungen@uni-hamburg.de.

More information on data protection in selection procedures.