RESEARCH ASSOCIATE FOR THE PROJECT “CLUSTER OF EXCELLENCE ’CUI: ADVANCED IMAGING OF MATTER‘- NON-STATIONARITY AND QUANTUM SYNCHRONIZATION” § 28 SUBSECTION 3 HMBHG

Institution: Cluster of Excellence „Advanced Imaging of Matter“ (photon and nanosciences)
Salary level: EGR. 13 TV-L
Start date: 01.09.2022, fixed for a period of three years (This is a fixed-term contract in accordance with Section 2 of the academic fixed-term labor contract act [Wissenschaftszeitvertragsgesetz, WissZeitVG]).
Application deadline: 2022-07-29
Scope of work: full-time position suitable for part-time

Responsibilities
Duties primarily include teaching and research. Research associates may also pursue independent research and further academic qualifications.

Specific Duties
- Conduct original theoretical physics research in the field of non-stationary many-body quantum dynamics and synchronization. In particular, the project should focus on questions of how symmetries enable non-stationarity, how non-stationary dynamics can be induced by the presence of an environment and/or conditions that prevent quantum systems in contact with an environment from thermalizing
- Writing of research papers for internationally refereed journals and presenting results at national and international conferences
- Engage with theory and experimental colleagues with the aim to establish scientific collaborations
- Contribute to the positive atmosphere, maintenance and smooth running of the group, as required
- Contribute to the intellectual life of the research group and the collaboration, including participating in video and teleconference meetings as required, and travelling for national and international workshops and meetings
- Contribute to the writing of project reports and proposals and assisting with other reasonable practical and administrative duties as required
- Manage the individual research project on a day-to-day basis and regularly report progress to D. Jaksch
- Teaching of four teaching hours per week
Requirements

A university degree in a relevant subject plus doctorate.

- A proven research track record as e.g. evidenced by scientific publications in international journals
- A strong background and excellent knowledge in the theoretical description of open quantum systems
- A background in ultracold atom physics, quantum optics, condensed matter physics or a related subject
- Experience in communicating and disseminating research results e.g. evidenced by presentations at workshops and conferences
- Experience in managing research projects and a track record in delivering research results

We offer

- Reliable remuneration based on wage agreements
- Continuing education opportunities
- University pensions
- Attractive location
- Flexible working hours
- Work-life balance opportunities
- Reduced rates available for a HVV-ProfiCard (transit pass) and much more
- Health management
- Educational leave
- 30 days of vacation per annum

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 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.

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

Tips on applying

Contact

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+49 40 151 2635774

Location

Luruper Chaussee 149
22761 Hamburg
Zu Google Maps
Reference number
253

Application deadline
2022-07-29

Send us your complete application documents (cover letter, curriculum vitae, copies of degree certificate(s) and if necessary ID attesting to your disability or proof of equivalent status) via the online application form only.

If you experience technical problems, send an email to bewerbungen@uni-hamburg.de.

More information on data protection in selection procedures.