



Universität Hamburg

DER FORSCHUNG | DER LEHRE | DER BILDUNG



# RESEARCH ASSOCIATE FOR THE PROJECT “NOVALIS” - NOVEL ACCELERATOR TECHNOLOGY FOR EFFICIENT LIGHT SOURCES § 28 SUBSECTION 3 HMBHG

**Institution:** Faculty of Mathematics, Informatics and Natural Sciences, Department of Physics, Novel accelerator technology for efficient light sources “NOVALIS”

**Salary level:** EGR. 13 TV-L

**Start date:** as soon as possible, fixed until 30.09.2025 (This is a fixed-term contract in accordance with Section 2 of the academic fixed-term labor contract act [Wissenschaftszeitvertragsgesetz, WissZeitVG]).

**Application deadline:** 2023-01-11

**Scope of work:** part-time

**Weekly hours:** 66 % of standard work hours per week

## Responsibilities

Duties include academic services in the project named above. Research associates may also pursue independent research and further academic qualifications. They may also pursue doctoral studies outside of working duties.

## Specific Duties

You will participate within a BMBF funded project on the development and optimization of superconducting-insulator-superconducting multilayer structures using Atomic Layer Deposition. The work is within a joint R&D team of the Helmholtz Center DESY, the Institute of Experimental Physics at Universität Hamburg (Project lead) as well as external project partners. The aim is to study processes to deposit and optimize superconducting and insulating thin films, with a focus on interface properties, using methods like AFM, spectral ellipsometrie, XRD, SEM/EDX. Participation in the project documentation and workshops is expected.

## Requirements

A university degree in a relevant field.

Expertise in thin film preparation and characterization, as well in cleanroom work. Basic knowledge in electric characterization of samples (at cryogenic temperatures and high magnetic fields) are preferable. Good written and communication skills and the ability to work in an international team with English as a working language.

## 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.

## Instructions for applying

### Contact

Robert Zierold  
[rzierold@chyn.uni-hamburg.de](mailto:rzierold@chyn.uni-hamburg.de)  
+49 40 42838-1594

Marc Wenskat  
[marc.wenskat@uni-hamburg.de](mailto:marc.wenskat@uni-hamburg.de)  
+49 40 8998-2032

### Location

Luruper Chaussee 149  
22761 Hamburg  
[Zu Google Maps](#)

### Reference number

512

### Application deadline

2023-01-11

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](mailto:bewerbungen@uni-hamburg.de).

More information on [data protection](#) in selection procedures.

