



Faculty/Departement Mathematics, Informatics, Natural Sciences/ Physik
Seminar/Institute Institute of Nanostructure and Solid-State Physics (INF) and the Center for Hybrid Nanostructures (CHyN)

Pending approval of external funding Universität Hamburg invites applications for a Research Associate for the project “**FLUINEMS**” in accordance with Section 28 subsection 3 of the Hamburg Higher Education Act (Hamburgisches Hochschulgesetz, HmbHG). The position commences on April 1st 2018.

It is remunerated at the salary level TV-L 13 and calls for 50 % of standard work 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 three years.

The University aims to increase the number of women in research and teaching and explicitly encourages qualified women to apply. Equally qualified female applicants will receive preference in accordance with the Hamburg Equality Act (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 PhD candidate will develop a fabrication method for combining nanofluidics with other sensing methodologies for single molecule detection. These fabrication methods include nanoimprint lithography of functional polymers, electron beam lithography, reactive ion etching, atomic layer deposition, etc.

Requirements:

A university degree in a relevant field. General cleanroom experience is required. Experience on nanoimprint lithography, knowledge about polymer sciences and about micro and nanofluidics is also required. Expertise on Biological sample preparation will be an asset. A background in nanosciences is preferred.

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

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



Universität Hamburg

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For further information, please contact Irene Fernandez-Cuesta or consult our website at www.ifc-lab.com.

Applications should include a cover letter, curriculum vitae, and copies of degree certificate(s). The application deadline is 14.02.2018. Please send applications to: ifernand@physnet.uni-hamburg.de.