

INM – Leibniz Institute for New Materials, situated in Saarbrücken, Germany, is an internationally leading centre for materials research. Our areas of research are Chemical Nanotechnology, Interface Materials, and Materials in Biology. We develop nanostructured materials and study their properties, inspired by combining chemical, physical and biological viewpoints. INM is a scientific partner to national and international institutes and a provider of research and development for companies throughout the world.

The Nanotribology group at INM, led by Prof. Dr. Bennewitz, has an opening for a

Postdoctoral Fellow or PhD student

We are looking for a **Physical Chemist, Physicist, or Materials Scientist** in a project involving scanning force microscopy, surface chemistry, and electrochemistry. The goal of the project is the development of a **molecular toolkit** based on cyclodextrin molecules for the development of new surface materials with designated **friction and adhesion** properties. Cyclodextrin-derived polymers will be developed by the collaborating research group of Prof. Dr. Wenz at Saarland University. The tasks at INM comprise the growth of self-assembled monolayers of the molecules, the anchoring of polymer chains at surfaces, and mechanical testing of the new materials from single-molecule spectroscopy to friction tests by means of scanning force microscopy. Previous experiences with scanning force microscopy or assembly of molecules at surfaces would be valuable.

If you are an extraordinary productive and creative scientist with experience in the field of nanotechnology, an exciting area of research is awaiting you. Excellent knowledge of the English language and basic knowledge of the German language are essential. Remuneration is based on the TV-L (the salary scheme for state employees). We promote the professional opportunities of women and ask especially for their applications.

Please submit your complete application by email to:

Roland.Bennewitz@inm-gmbh.de

or via postal mail to:

Prof. Dr. Roland Bennewitz
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Please find further information on our homepage: www.inm-gmbh.de.