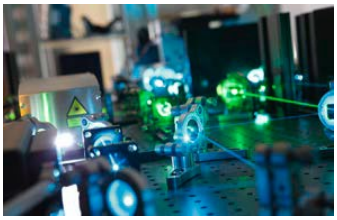

IFNANO
INSTITUT FÜR NANOPHOTONIK

Institut für Nanophotonik Göttingen e. V.

Abteilung Optische Nanoskopie

Since its foundation in 1987, the Institut für Nanophotonik Göttingen has been a pioneer in the transfer of application-oriented research between science and industry. Its research activities range from the development of novel laser measurement techniques, laser-assisted product refinement and the development of new light sources to applications in the life sciences and medical technology.

The Department of Optical Nanoscopy conducts research in the Nobel Prize-winning field of superresolution fluorescence microscopy and develops novel methods and instruments for materials science and the life sciences.

To strengthen our team, we are seeking, at the earliest possible date, a

PhD candidate (m/f/d) in physics

for a research project on

„Nanoscale 3D Imaging for Materials Science"

Your responsibilities:

- Design and realization of a STED microscope for applications in materials science
- Development of acquisition protocols for superresolution imaging of polymer-based structures and application and refinement of data reconstruction and analysis methods
- Close scientific collaboration with project partners in physical chemistry
- Presentation and publication of research results in an international research environment

Your profile:

- Above-average Master's degree (or equivalent) in physics, photonics, optics, or a related field
- Strong background in optics and microscopy, ideally with practical experience, and basic programming skills (e.g. Python)
- Very good command of English, both written and spoken
- High level of motivation, initiative, and interest in interdisciplinary research

We offer:

- Work in an interdisciplinary team in a leading research field at the interface of physics, biology, chemistry, and materials science
- Access to extensive and state-of-the-art experimental infrastructure
- Excellent integration into the Göttingen Campus
- Intensive scientific supervision and opportunities for professional and personal development

The project-related position is initially limited to three years, will be paid in accordance with German public sector pay scale TV-L E13 (66.67%), and involves pursuing a PhD as part of the project.

Applications from women are particularly welcome. Candidates with severe disabilities will be given preference in case of equal qualifications.

Please send your application as a PDF file by email to: karriere@ifnano.de.

For further information, please contact: Fenja Belosa (fenja.belosa@ifnano.de), Institut für Nanophotonik Göttingen e. V., Hans-Adolf-Krebs-Weg 1, 37077 Göttingen, phone: 0551 503536, web: www.ifnano.de