



Institut für Nanophotonik Göttingen e. V.

Department of Optical Nanoscopy

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 focuses its research on the Nobel Prize winning field of superresolution fluorescence microscopy and develops novel methods and devices to overcome Abbe's diffraction barrier. With its optical resolution down to a few nanometers, optical nanoscopy provides fantastic possibilities to gain insight into structures and ongoing processes in living cells on the molecular scale which is one of the keys to the understanding of diseases.

To strengthen our team, we are seeking a candidate for a

PhD position (m/f/d) in physics

in the field of

superresolution fluorescence microscopy

at the earliest possible date. The project-related position is initially limited to 3 years and will be paid in accordance with German TV-L (66.67%).

Your responsibilities:

- Experimental and in part theoretical work on the design, realization and application of new methods and devices in the field of superresolution fluorescence microscopy (e. g. STED, STORM, MINFLUX)
- Participation in cooperation projects
- Publication and presentation of results in international scientific journals and at conferences

Your qualifications:

- Master of Science or equivalent degree in physics or a related field
- Preferably strong background in optics/microscopy and basic knowledge of programming
- Good command of spoken and written English
- High degree of commitment and motivation as well as interest in interdisciplinary research

We offer:

- Interdisciplinary team working in a cutting-edge research area at the interface of physics, biology, medicine and materials science
- Extensive state-of-the-art equipment
- Excellent integration into the Göttingen Campus

Applications of female candidates are particularly welcome. Severely disabled persons with equal qualification and aptitude are given preferential consideration.

If we have sparked your interest, please send your detailed application in pdf-format to: karriere@ifnano.de

For further information about the position, do not hesitate to contact us: Tatjana Kasten (tatjana.kasten@ifnano.de), Institut für Nanophotonik Göttingen e. V., Hans-Adolf-Krebs-Weg 1, 37077 Göttingen, phone: 0551/5035-35, web: www.ifnano.de