



Institute for Nanophotonics Goettingen e.V.

Department of Optical Nanoscopy

The Institute for Nanophotonics Goettingen e.V. (IFNANO) invites applications for a

Master student (m/f/d) position

in the field of bioluminescence imaging and microscopy. The position is available from August 1st 2023 or later.

The IFNANO has achieved worldwide recognition with its research projects and developments in various fields of optical technology. With more than 50 employees, application-oriented basic research and the transfer of knowledge between research institutions and industry are carried out.

At the department of Optical Nanoscopy, a new junior research group for bioluminescence imaging is being established to image living cells by the light they produce. To enable bioluminescence imaging without external substrates, the genetically encodable bioluminescence system from bacteria will be used. The focus is on the generation of new bioluminescent probes with enhanced brightness and spectral properties and their application in biomedical research. The topic of the Master thesis is the coupling of bioluminescence emission to different fluorescent proteins to change the emission wavelength with the goal to perform multicolor bioluminescence imaging.

Applicants should hold a Bachelor's degree in biochemistry, biology, life science or a related subject. Women are especially encouraged to apply. Applicants with disabilities and equal qualifications will be given preferential treatment.

Please send your application in German or English language including **curriculum vitae** and **Bachelor certificate** as PDF files to karriere@ifnano.de.

For additional information, please contact Dr. Carola Gregor, Institute for Nanophotonics Goettingen e.V., Hans-Adolf-Krebs-Weg 1, D-37077 Goettingen, carola.gregor@ifnano.de, Tel.: +49(0)551-5035-45.