The University of Lübeck is a modern university specializing in Medicine and Health Sciences, Computer Science, Molecular Biology, Mathematics in Medicine and Life Sciences, and Medical Engineering. Internationally renowned research and the high quality of academic teaching characterize the profile of our university.

The Institute for Biomedical Optics (BMO, Director: Univ.-Prof. Dr. Robert Huber) at the University of Lübeck, is seeking a

**Postdoctoral researcher in the field of biomedical imaging/endoscopy (f / m / d)**
(full-time, E13 TV-L)

The position is initially available for 2 year with a possible extension.

**Task profile:**
The position is associated with a newly established research group at BMO (AG Rahlves) which aims at the development of new micro-optical concepts including especially suited for endoscopic (3D) imaging. The responsibilities of the successful candidate include the development of novel optical concepts for endoscopic 3D imaging devices based on numerical and experimental design studies. The ultimate goal is the translation of concepts into clinical trials in close cooperation with the Medical Laser Center Lübeck (MLL), the University Medical Clinic Schleswig Holstein (UKSH) and the Cluster of Excellence "Precision Medicine in Chronic Inflammation" founded by the German Research Foundation (DFG).

**Qualification profile:**
- PhD in physics or engineering
- Very good knowledge in optical simulations (raytracing, wave-optics)
- Experienced in design and application of micro-optical components
- Profound optical lab experience

**Desirable, but not a prerequisite:**
- Experience with 3D or analytical imaging modalities
- Experience in tissue imaging
- Basic knowledge of microsystems technology

You can expect a diverse, interesting job with a high level of personal responsibility in an interdisciplinary team, and flexible working hours. The final job classification within TV-L is subject to conditions of German Public service regulations. The University of Lübeck sees itself as a modern and cosmopolitan employer. We welcome your application regardless of your age, gender, cultural and social background, religion, worldview, disability or sexual identity. We promote gender equality.

Priority will be given to women who have equal aptitude, competence and professional performance. As an applicant with a severe disability or a person of equal status, we will give you preferential consideration if you are appropriately qualified. The group head Prof. Maik Rahlves is available to answer questions about the content of the area of responsibility under the email: maik.rahlves@uni-luebeck.de. Please send written applications with all relevant materials (cover letter, curriculum vitae, certificates, list of publications, etc.) quoting the reference number 1016/21 by the latest 15.05.2021 (date of receipt) summarized in one PDF document to bewerbung@uni-luebeck.de or by post by latest to:

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