



UNIVERSITÄT ZU LÜBECK  
INSTITUTE OF MEDICAL ENGINEERING

## PhD Position in Image Reconstruction for Small Animal Positron Emission Tomography

Within the frame of the recently funded Cluster of Excellence "[Precision Medicine in Chronic Inflammation](#)", we are looking for a highly motivated and qualified individual to work on image reconstruction and quantitation for small animal positron emission tomography (PET).

### Your profile

- Master degree in physics, engineering, computer sciences, mathematics or equivalent disciplines.
- Good written and verbal communication skills in English.
- Very good programming skills.
- Previous experience in tomographic reconstruction, or medical imaging with ionizing radiation is desirable.

### The position

The successful candidate will join the [Nuclear Imaging Group](#) at the Institute of Medical Engineering (IMT) of the University of Lübeck (Germany). The research activities of the group focus on PET and Compton cameras, including modeling and Monte-Carlo simulations, tomographic image reconstruction, as well as instrumentation.

The Ph.D. candidate will develop dedicated reconstruction techniques and correction methods for small animal PET of non-pure positron emitters with the aim to provide quantitative information.

The start date is January 1st 2020. The position is limited to three years, and the salary is regulated by the German Wage Agreement for Public Service, salary scale 13 TV-L/67%.

### How to apply

Applicants should submit a curriculum vitae, a letter of interest including a brief description of previous scientific work, as well as the name and contact details of two reference persons no later than the 15th September 2019 to Mrs Astrid Lasarzewski ([lasarzewski@imt.uni-luebeck.de](mailto:lasarzewski@imt.uni-luebeck.de)).

For further information about the position, please contact: Prof. Dr. Magdalena Rafecas ([rafecas@imt.uni-luebeck.de](mailto:rafecas@imt.uni-luebeck.de)).

As an equal opportunities employer, Universität zu Lübeck particularly encourages female scientists to apply, in case of equal qualification they will be prioritized. Equally qualified candidates with disabilities will also be given preference.

Applications from abroad are especially welcome. Do not include ID or portrait photos in your application.

Institute of Medical Engineering,  
Nuclear Imaging Group  
University of Luebeck, Building 64  
Ratzeburger Allee 160  
23562 Lübeck, Germany  
Tel.: + 49 (451) 3101 5402