



Clinic for Nuclear Medicine

## PhD Position (f/d/m) in Radiopharmaceutical Chemistry Preclinical Molecular Imaging

The Hannover Medical School (MHH), with about 10.000 employees the biggest company of Lower Saxony, is a university institution for research and teaching in the human and dental medicine and a university hospital of supra-maximum medical care. Research, teaching, medical care and administration work hand in hand in the integration model at the MHH-campus.

The working group for Radiopharmaceutical Chemistry at the Clinic for Nuclear Medicine at Hannover Medical School works on the development of innovative radiopharmaceuticals for the diagnosis and therapy of cancer and other pathological processes. Our focus is on the synthesis and characterization of new radiotracers for positron emission tomography (PET) and other nuclear medicine imaging technologies as well as radiotracer-based therapy. Together with the working group of Preclinical Molecular Imaging, novel radiopharmaceuticals and imaging strategies are tested and evaluated towards translational approaches.



as soon as possible



### Your task

- Development of radiolabelling of macromolecules and -structures
- Method for radiolabelling of cells for cell tracking in vivo
- Development of pre-targeting strategies for molecular imaging
- In vitro evaluation of novel radiolabelled structures and molecules
- Preclinical in vivo studies of the novel radiopharmaceuticals and systems
- Imaging data evaluation, writing manuscripts and presenting results and data

### Our requirements

- Master degree in Chemistry, Biochemistry, (Radio-) Pharmacy or similar subjects
- Fluent in English and German (preferred)
- Advantageous: Experience with radioactivity / radiation safety and / or preclinical research

### We offer

- A part-time position with 25.02 hours per week initially limited until 31 December 2025 with the option of extension with one of the largest employers in the state of Lower Saxony
- Depending on personal qualifications, remuneration up to pay group E 13 according to TV-L is possible with the benefits of the public service (e.g. company pension scheme and additional insurance through VBL)
- A stimulating position at the interface of research, care and science management
- A collegial induction programme in a highly interdisciplinary and innovative research project working with state-of-the-art laboratories and newest equipment and instruments
- Personal and professional development opportunities - supported by our wide range of internal and external training and development programmes
- Excellent public transport connections and the option of leasing a company bike
- An excellent range of sports, counselling and prevention programmes - because your health is important to us

### You have any questions beforehand?

Prof. Dr. Tobias Ludwig Ross  
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### Apply now

Reference number 3054  
Apply until: 03/16/2025

The MHH is certified as family-friendly university and stands for the promotion of women in the professional life. Applications of women are particularly welcome. Severely disabled applicants with equal qualifications are given preferential consideration.