

The **University Hospital of Münster** is one of the leading hospitals in Germany. Such a position cannot be achieved by size and medical successes alone. The individual commitment counts above all. We need your commitment so that even with little things we can achieve great things for our patients. There are many possibilities open for you so that you may develop with them.

The **European Institute for Molecular Imaging** (EIMI) at the University of Münster offers for 36 months

## **2 PhD Student Positions** related to **Marie Skłodowska-Curie ITN-ETN Project ‘PET Imaging in Drug Design and Development: PET3D’**

**Ref.: 11863**

part time, 65% of 38.5 hours/week

Salary: PhD students will receive a 36-month grant to cover his/her participation costs, living, travel and installation allowance, family allowance (<http://www.abdn.ac.uk/pet3d/recruitment/esr-grant>)

### **Research field**

We are looking for 2 outstanding candidates with a completed MSc degree (Biology, Biomedical Sciences or similar) for two PhD student positions. One Early Stage Researcher (ESR) will focus on “Multi-modal and multi-tracer imaging of inflammation in stroke” (ESR 11), the other on “Multimodal two-photon microscopy and PET/MR imaging of glioma growth & angiogenesis” (ESR 12).

The EIMI is based on strong inter-faculty and interdisciplinary links between basic researchers and medical imaging scientist involving the faculties of medicine, chemistry and pharmacy, mathematics and computer sciences and physics. In as such the EIMI provides a broad spectrum of expertise from medicine, natural and computer sciences.

### **Job description**

The main responsibilities of the candidates will be:

- To manage and carry out an independent research project in close collaboration with partners in PET3D
- To develop and test innovative imaging protocols for preclinical neuroimaging with and without pharmacological intervention
- To actively participate in research and training activities within the PET3D network
- To publish their results in international peer-reviewed journals
- To disseminate research results in the scientific community (via international conferences) and in the non-scientific community (via outreach and public engagement)
- To complete a PhD thesis

Successful applicants will be trained on a variety of imaging modalities, like PET, SPECT, MRI, CT, Optical Imaging, Optoacoustics, Ultrasound and Fluorescence Microscopy. Additionally, extensive training opportunities are available throughout the PET 3D consortium. A 6-months secondment to another partner institution will be mandatory.

### **Your profile**

- a Master of Science (Biology, Biomedical Sciences) or similar degree
- strong interest in non-invasive imaging modalities (PET, SPECT, MRI)
- experience with neuroinflammation/glia biology is a plus
- experience with lab rodents/FELASA is considered a plus

Candidates for both positions should have excellent analytical skills, good command of written and spoken English and should be able to work in a team as well as independently.

### **Interested?**

For more information about the project, visit the project’s homepage [www.abdn.ac.uk/pet3d](http://www.abdn.ac.uk/pet3d) or contact **Dr. Bastian Zinnhardt** by phone +49 251 83 49309 or email [zinnhardt@uni-muenster.de](mailto:zinnhardt@uni-muenster.de).

### **How to apply**

Please submit your candidacy by February 15, 2017 with reference number 11862 including a cover letter, your CV and a letter of recommendation of your scientific supervisor to [inmind@uni-muenster.de](mailto:inmind@uni-muenster.de).

### **Special conditions**

You will satisfy the eligibility requirements for an Early Stage Researcher under the European Commission Horizon 2020 Early Stage Training Scheme; in particular, you should be eligible to be appointed as an Early Stage Researcher in Germany. This means:

- You will have less than four years research experience and you must not possess a PhD. This 4 year period is measured from the date of obtaining the degree which would formally entitle to embark on a doctorate.
- You must not have resided or carried out your main activity (work, studies, etc.) in Germany for more than twelve months in the three years immediately prior to your recruitment.

Exceptions to these eligibility requirements cannot be made.

Applications from female candidates are particularly encouraged. In the case of equal qualifications, competence and specific achievements, women will be considered on preferential terms within the framework of the legal possibilities unless reasons specific to an individual male candidate predominate. Handicapped candidates with equal qualifications will be given preference.