

## JOB VACANCY

The University Hospital Essen offers first class medical services in the Ruhr metropolis. Every year, 225.000 patients are treated in 30 clinics, 27 institutes and specialized centers. The over 8.000 employees offer medical care with state-of-the art diagnostics and therapies, which meet highest international standards. Patient care is connected with basic and translational research at an internationally competitive level.

The **Department of Nuclear Medicine** is currently offering

### **2 Postdoctoral Researchers (m/f/d) in Preclinical Theranostics**

(Pay grade E13 TV-L / 100% - temporary employment)

The pay grade classification depends on the personal and collective legal pre-requisites. The employment is provided for the duration of third-part funded project for a 2 year limited period.

#### **Who we are**

The successful candidate will become a part of a newly formed research group working on preclinical and translational theranostics in nuclear medicine. The group focuses on theranostics with the goal to deliver new insights into tumor biology, heterogeneity and metabolism and their relationship and relevance to functional imaging and biomarker-driven treatments in nuclear medicine. We investigate mechanisms underlying failure of radionuclide therapy with the goal to develop rationally chosen, translatable radionuclide therapy-based combination regimens that improve quality of life and survival of cancer patients. A second focus is on the implementation of new theranostic approaches to expand the range of cancers that can be treated with radionuclide therapies.

The successful candidate will join a friendly, collaborative work environment and will have access to state-of-the-art laboratory and molecular imaging equipment, as well as to the intra- and extramural research community. We value motivation and team member spirit more than prior experience in any particular field.

#### **Duties and responsibilities**

We are looking for an ambitious, self-motivated, and proactive individual. You are a talented and passionate scientist who likes to take on new challenges and responsibilities, appreciates working in an interdisciplinary setting, and enjoys being part of a team. The candidate will evaluate new radiolabeled ligands for imaging and therapy in cancer cell and mouse models with the goal to facilitate clinical translation of these ligands. We expect contributions writing research grants and presenting research findings at scientific meetings. Compliance with relevant legislation (animal and radiation protection laws; genetic safety regulations) is a given for you.

#### **Qualifications**

- Diploma or master degree and a PhD degree in life or biomedical sciences (pharmacology, biology, (bio)chemistry, animal sciences, physiology, immunology)
- Record of accomplishment including presentations at scientific conferences and peer-reviewed publications

## Your profile

- Experience with rodent animal handling
- In vivo imaging skills (PET, CT) are a plus but not mandatory
- Experience with radiolabeling of small molecules, nanobodies, antibodies is a plus but not mandatory
- Experience with cell culture sterile technique
- Experience with flow cytometry and in immunological assays
- Experience in basic and advanced molecular biology and protein-biochemical techniques (PCR, plasmid construction, CRISPR technology, RNA-seq)
- Attitude to work with accuracy, precision, and reliability in performing technical and analytical activities
- Strong organizational abilities; able to work independently and follow through on assignment
- Able to organize and present results in an appropriate format
- Excellent communication skills and good command of English in both, oral and written form are a prerequisite
- Ability and commitment to work flexibly, under pressure and to deadlines

Exceptional individuals who do not match these descriptions exactly will also be considered.

The University Hospital Essen is an equal opportunity employer. Female scientists are particularly encouraged to apply. The participation in secondary employment depends on the „Hochschulnebenberufungsverordnung“ of North-Rhine Westphalia. Disabled applicants will be preferentially considered in case of equivalent qualification. The positions are also available as part-time employment.

Please e-mail your application (CV, PhD Degree, letter of motivation, contact information) with 2-3 references in English or German language preferably by email as a single pdf file, referring to the job vacancy ID **1227**, within four weeks of publication of this advertisement to [bewerbung@uk-essen.de](mailto:bewerbung@uk-essen.de) or to Universitätsklinikum Essen, Personaldezernat, Hufelandstraße 55, 45147 Essen, Germany.

For further information please contact: [katharina.lueckerath@uk-essen.de](mailto:katharina.lueckerath@uk-essen.de)

You can find our team here: <https://nuklearmedizin.uk-essen.de/index.php?id=4516>

We use your data exclusively for application purposes in accordance with the applicable data protection regulations. Further information can be found in the privacy statement on our homepage at: [www.uk-essen.de](http://www.uk-essen.de)