Universitätsmedizin Essen
Universitätsklinikum

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.

Senior Scientist (m/f/d)

(pay grade: EG 14 TV-L)

Work Area: Department of Neurosurgery and Spine Surgery, Neurosurgical Research Laboratory
Job ID: 13902
Start Date: 01.02.2027
Work Scope: Full-time / 38,5 h
Contract Type: Permanent

Your tasks:
Position overview
We are seeking a highly motivated, distinguished senior researcher to lead our research laboratory. Core research focus:

- Cerebrovascular malformations: Investigating molecular mechanisms, blood-brain barrier (BBB) integrity and neuroinflammation
- Brain tumors (Neuro-Oncology): identify molecular targets for therapy, tumor microenvironments, cancer stem cells, targeted drug delivery, therapeutics resistance, and immunotherapy
- Translational innovation: Developing patient-derived models (organoids, xenografts)

Key responsibilities

- Strategic leadership: Define the laboratory's scientific vision and align research goals with clinical neurosurgical interests
- Lab management: Oversee daily operations, budget allocation, safety compliance, and state-of-the-art equipment maintenance
- Mentorship & training: Supervise and mentor post-doctoral fellows, doctoral students, technicians
- Collaborative network: establish partnerships with internal and external scientists
- Scientific dissemination: Publish high-impact peer-reviewed papers and present breakthroughs at major national and international conferences

Your profile:

- Diploma or Master degree and a PhD in biomedical sciences, or related fields in life science, oncology, molecular biology, or a closely related field

- Experience and track record: Enriched research experience in neuro-oncology or vascular biology. Proven history of securing competitive research grants and publishing in top-tier peer-reviewed journals
- Technical expertise: Advanced proficiency in cell culture, molecular cloning, imaging, gene techniques, and animal modelling
- Skills: Exceptional leadership, budget management, and intercultural communication skills

Look forward to:

- We offer a collaborative and supportive research environment with access to advanced core facilities, including imaging, genomics, and animal modeling resources
- You'll be part of a strong translational network connecting basic science with clinical neurosurgery as well as other in-house research groups, enabling meaningful research impact
- The position includes dedicated lab space with personnel, technical support, and opportunities for interdisciplinary collaboration
- We support professional development through mentorship and participation in national and international scientific communities
- You'll join a diverse committed to innovation and excellence, with a flexible, balanced work environment that values both scientific achievement and well-being
- A **secure job** in the public service of the state of NRW
- **Fair payment** in accordance with the collective wage agreement (TV-L) incl. annual bonus payment and supplementary company pension scheme
- **30 days of vacation** per calendar year (for a full-time position)
- **Interdisciplinary work** with colleagues from other departments
- Working with **modern equipment** and certified quality standards
- **Family-friendly corporate culture**, e.g. company daycare center, vacation program for school-age children, advice and support from the Employee Service Office in all life situations
- **Wide range of training and continuing education opportunities**, e.g. at the Training Academy of UK Essen
- **Health management**, e.g. company integration management, vaccinations, promotion of sports activities
- **Attractive fringe benefits**, e.g. reduced-price canteen meals, community events, accommodation in student residences

General cooditions:

- The pay grade classification depends on the personal and collective legal prerequisites.
- The University Hospital Essen is an equal opportunity employer. Female scientists are particularly encouraged to apply.
- The participation in secondary employment depends on the „Hochschulnebentätigkeitsverordnung" of North-Rhine Westphalia.
- Disabled applicants will be preferentially considered in case of equivalent qualification.

Contact person and further information about the position:

You will find detailed information on the job advertisement and contact persons behind the button - Apply now:

https://bewerbung-karriere.ume.de/Vacancies/13902/Application/CheckLogin/1

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.