

We are one of the youngest universities in Germany and think in terms of possibilities, not limitations. In the heart of the Ruhrregion, we develop ideas of the future at our 11 faculties. We are strong in research and teaching, live diversity, support potential and are highly committed to an educational equality that has earned this name.

The University Hospital Essen offers first class medical services in the Ruhr metropolis. Every year, 225.000 patients are treated in 26 clinics, 23 institutes and specialized centers. The over 6.000 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 international competitive level.

**The University of Duisburg-Essen offers within the  
DFG-funded Research Training Group 1739 (GRK1739)  
12 PhD positions (f/m) – E 13 TV-L, 65%  
Starting April 1<sup>st</sup>, 2018**

The RTG1739 “*Molecular determinants of the cellular radiation response and their potential for response modulation*” offers outstanding internationally-oriented interdisciplinary scientific training and research opportunities for graduates of life sciences and medicine with interest in basic and translational cancer research. The exciting research projects aim to achieve a better molecular understanding of key molecules that determine the cellular response to ionizing radiation and thus radiation sensitivity with the goal of providing a scientific basis for effective response modulation. Furthermore, the anglophone programme provides a comprehensive multidisciplinary training in radiation biology and oncology, molecular and cell biology, and experimental medicine. It will also cover complementary professional competencies, such as presentation skills, scientific writing, bioethics, scientific integrity, and career planning. Together with regular supervision and mentoring, this training will allow its graduates to efficiently develop into independent scientists with broad knowledge in biomedical sciences and specialized knowledge in radiation biology and radiation oncology.

The following institutes are involved in the RTG:

- Institute of Medical Radiation Biology (University Hospital Essen)
- Department of Radiotherapy (University Hospital Essen)
- Department of Molecular Cell Biology (University Hospital Essen)
- Department of Medical Oncology (University Hospital Essen)
- Department of Molecular Biology (University Hospital Essen)
- Institute of Physiology (University Hospital Essen)
- Department of Molecular Biology I and II (University of Duisburg Essen)
- Department of Molecular Genetics II (University of Duisburg Essen)
- Institute for Pharmacology and Clinical Pharmacology (University Hospital Düsseldorf)

Details about the Research Training Group and the different projects can be found at: <http://www.uni-due.de/med/forschung/grk1739/index.shtml>

We are looking for enthusiastic candidates with strong Master's degree (or equivalent) in the field of Cell Biology, Molecular Biology, Biochemistry, Biophysics, or Experimental Medicine. Candidates should be able to work independently and have a strong interest in the above-mentioned research fields as well as high motivation and commitment for active participation in the program of the RTG. Depending on the project, work with laboratory animals may be obligatory so that certificates that enable handling of animal experiments could be a plus. Candidates are selected on the basis of excellent performance in their studies and their motivation. Candidates should be fluent in spoken and written English; knowledge of German is not a requirement.

The positions will be available in April 2018 for up to three years. The salary is in accordance with the German public service salary scale. The pay grade classification depends on the personal and legal requirements.

Interested candidates should fill in the application form available at <https://www.uni-due.de/med/forschung/grk1739/jobs.php> and send it together with the copy of all university degrees and the indication of two referees in one pdf-file to:

Dr. Gabriele Siedenburg  
Scientific Coordination Research Training Group 1739  
E-Mail: [gabriele.siedenburg@uni-due.de](mailto:gabriele.siedenburg@uni-due.de)

**Deadline for application is 22.10.2017.** Interviews will be presumably held from December 4<sup>th</sup> to 5<sup>th</sup>, 2017 in Essen.

The University Duisburg-Essen aims at promoting the diversity of its members (see <http://www.uni-due.de/diversity/international.shtml>). Applications from disabled or equivalents according to § 2 Abs. 3 SGB IX are encouraged. The participation in secondary employment depends on the "Hochschulnebenbeschäftigungsverordnung" of North-Rhine Westphalia. The University Duisburg-Essen aims at increasing the share of women in the scientific personnel and therefore explicitly encourages women to apply. Women will be preferentially considered when equally qualified according to the state equality law.