

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 Duisburg-Essen (Campus Essen)**, Faculty of Chemistry, Biofilm Centre, Department of Aquatic Microbiology, offers a

**PhD student position (f/m)**  
**(salary equivalent to TV-L 13)**

**Your tasks:**

Participation in the **ERC Project EcOiLogy**.

Polycyclic aromatic hydrocarbons are among the most important classes of contaminants in the environment. They especially accumulate in anoxic sediments and are persistent in groundwater. We now want to elucidate specific enzyme reactions in the anaerobic degradation pathway of naphthalene by sulfate-reducing bacteria.

Your task will include the cloning, heterologous expression and characterization of novel enzymes. The project goal is to close knowledge gaps in the degradation pathway starting from the anaerobic carboxylation of naphthalene to the central metabolism.

As part of the employment an opportunity for scientific qualification (doctorate) is given.

**Your profile:**

We expect a master degree in biology/biochemistry, water science or related disciplines. Experience with protein biochemistry, molecular biology and protein purification is expected. Of special advantage would be experience in anaerobic microbiology and analytics.

**Start of position:** as soon as possible

**Contract period:** 36 months *(In accordance with a change of regulations in the Act of Academic Fixed-Term Contract ("WissZeitVG") since 11.03.2016 the actual duration of the contract might depend on individual qualifications of the applicant)*

**Working time:** 65 percent of a fulltime-position

**Application deadline:** 15 September 2017

The University Duisburg-Essen aims at promoting the diversity of its members (<http://www.uni-due.de/diversity>).

The University Duisburg-Essen has been awarded for its effort to promote gender equality with the "Total-E-Quality-Award". It 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.

Applications from disabled or equivalents according to § 2 (3) SGB IX are encouraged.

Applications and inquiries with reference-code 531-17 should be addressed to:

Prof. Dr. Meckenstock  
University Duisburg-Essen  
Faculty of Chemistry  
45117 Essen

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You will find information about the Faculty and the contracting authority under:

[https://www.uni-due.de/biofilm-centre/mikro\\_home\\_en.php](https://www.uni-due.de/biofilm-centre/mikro_home_en.php)

[www.uni-due.de](http://www.uni-due.de)