



Wir sind eine der jüngsten Universitäten Deutschlands und denken in Möglichkeiten statt in Grenzen. Mitten in der Ruhrmetropole entwickeln wir an 11 Fakultäten Ideen mit Zukunft. Wir sind stark in Forschung und Lehre, leben Vielfalt, fördern Potenziale und engagieren uns für eine Bildungsgerechtigkeit, die diesen Namen verdient.

GAME – the **Group for Aquatic Microbial Ecology** - (head: Prof. Dr. Alexander Probst) at the Biofilm Centre, University Duisburg-Essen, Campus Essen has an open position for a

Master thesis

in environmental microbiology with a strong focus on bioinformatics. The student will study the interaction of specific microorganisms from the terrestrial subsurface with viruses. Viral infections of microbes can be traced back via specific virus-derived signatures that become included into the host's DNA. Hence, analysis of these regions known as clustered regularly interspaced short palindromic repeats (CRISPR) allows disentangling infection histories. The project is part of a large-scale study involving metagenomic datasets from diverse subsurface environments across the globe.

Requirements:

- background in environmental microbiology, microbial ecology, genomics, bioinformatics or related field
- high affinity to computational analyses
- experience with shell/bash, python, ruby or perl programming is a great plus
- English (high level/fluent in spoken and written)

Application:

The preferred starting date would be **1st September 2018** or soon thereafter. The advertisement remains open until filled. Interested candidates should send a short letter of motivation, transcript of records and CV to Dr. Janina Rahlff (janina.rahlff@uni-due.de).