



The Ruhr area, one of Europe's largest metropolitan regions, offers attractive career opportunities for excellent scientists and scholars from around the world. In 2021, Ruhr University Bochum, TU Dortmund University and the University of Duisburg-Essen established the Research Alliance Ruhr to bundle their cutting-edge international research on the most urgent challenges facing humankind. There are four research centers and a college. This is just the latest chapter in our long-standing collaboration as the University Alliance Ruhr (UA Ruhr), a community of 14,000 researchers and 120,000 students in the heart of Germany.

As part of the Research Alliance Ruhr, the Research Center One Health Ruhr at the University of Duisburg-Essen (UDE) on the Essen Campus, Department of Ecotoxicology, is looking for a:

**Doctoral researcher in
Theoretical Ecotoxicology/Ecotoxicological Data Science (f/m/d)
(paygroup 13 TV-L, 65%)**

At the interface between human health, the environment and animal health, the Research Center One Health Ruhr provides combines the Departments of Biology, Chemistry, Medicine, Environmental Science and Neuroscience under one interdisciplinary roof. You support the field of Environmental Science and thereby contribute to the development of the working group of Ecotoxicology.

Your tasks

- You automate the retrieval of ecological and ecotoxicological data
- You process the data and analyse the data using novel methods of data analysis
- You publish the results in scientific publications
- You support the Ecotoxicology working group in the area of modeling, data analysis and management

Your profile

- Above-average university master degree in environmental sciences, applied mathematics, data science, applied computer science, ecology or a similar field.
- Previous scientific experience in areas of data analysis and mastery of a programming language such as R or Python are required
- Knowledge of ecology and ecotoxicology, geospatial data processing as well as of data management with databases is advantageous
- Excellent command of written and spoken English.
- Furthermore, we expect a high degree of self-initiative, inventiveness and creativity, as well as good interpersonal skills and flexibility.

The holder of the position is expected to pursue a cumulative Phd program.

You can expect

- a research-intensive environment at an internationally leading institution for water research
- an interesting, responsible job with great potential for your creativity
- a working environment with respectful, appreciative cooperation
- a pleasant working atmosphere in a young and dynamic team
- family-friendliness through care options for your children
- advice on family care tasks
- a broad range of further training options and individual training
- an excellent public transport infrastructure and free parking
- attractive sports and health offers (university sports)
- the possibility of home office

Start of position: October 2025 or later

Contract period: 3 years

Working time: 65% of a full-time position

Application deadline: until 17.08.2025

Applications with the typical documents (academic CV, certificates, reference letter of mentor) and inquiries with reference code **366-25** should be addressed to Prof. Dr. Ralf Schäfer, Universität Duisburg-Essen, RC One Health Ruhr, 45117 Essen, Telefon 0203 / 183 3962, E-Mail ralf.schaefer@uni-due.de.

You'll find information about the faculty under: https://www.uni-due.de/biologie/oekotoxikologie/index_en.php.

For specific information on the working group of Ecotoxicology please contact Prof. Dr. Ralf B. Schäfer. E-Mail ralf.schaefer@uni-due.de

The University Duisburg-Essen aims at promoting the diversity of its members (see <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 staff 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 Abs. 3 SGB IX are encouraged.

