



TU Dortmund University is a dynamic research-oriented university with 17 departments in the natural and engineering sciences as well as social and cultural sciences. On our international campus, around 6,700 employees make a daily contribution to solving pressing questions of the present and the future. Openness and diversity characterize not only the collaboration in research and teaching, but also in technology and administration.

## 6 open doctoral positions in Research Training Group RTG 2624 (Ref.-Nr. w115-23)

In the **Research Training Group (RTG 2624) innovative biostatistical methods** for the analysis of high-dimensional data for **modelling and risk assessment in toxicology** are developed and applied. The three project areas are regression, prediction and integration (see picture above).

Doctoral researchers acquire knowledge in toxicology and develop statistical methods for pharmacological and environmental toxicology, optimally exploiting the flood of high-dimensional complex molecular data.

### YOUR QUALIFICATION:

- A master's degree in statistics, biostatistics or in a related field (mathematics, bioinformatics, computer science or epidemiology with significant share of statistics) with short study time and very good grades
- Interest in medical, biological or toxicological applications; a corresponding minor subject in the master study programme or life-science oriented work as student or in master thesis is desirable but not required
- High motivation to perform and scientific interest in topics of the RTG, demonstrated in a motivation letter and in the personal communication during application process

We promote diversity and equal opportunities. Convince us with your personality and expertise. Applications from women will be given preferential treatment in accordance with the statutory regulations. We explicitly note that applications of severely disabled persons are welcome. Doctoral students will be employed for three years and will be paid according to public service's wage agreement (E13 TV-L, 100%). Employment in or reduction to part-time is possible in principle. The graduate program started on April 1, 2021. Applications will be accepted any time. The deadline for applications is **07.02.2024**.

### WHAT WE OFFER:

- Embedding in a high-profile research environment
- Doctoral students will work in **interdisciplinary projects**, with joint supervision by leading international experts from both statistics and toxicology, at the institutions
  - TU Dortmund University (lead university)
  - Heinrich-Heine-Universität Düsseldorf
  - IfADo (Leibniz Research Centre for Working Environment and Human Factors), Dortmund
  - IUF (Leibniz Research Institute for Environmental Medicine), Düsseldorf
- **Elaborate qualification programme** with courses in statistics, biostatistics, data science, bioinformatics and toxicology, in addition regular seminars, as well as talks and short courses from visiting researchers
- Wide range of qualification courses provided by the graduate centres at TU Dortmund and HHU Düsseldorf
- Improvement of communication skills by presenting your research at international conferences
- No teaching duties, pure research position

For information on research projects and on the job application process, please see the website of the RTG:

<https://grk2624.statistik.tu-dortmund.de/en>

Please send complete applications including a motivation letter that also prioritizes one or two of the research projects of the RTG to: **Prof. Dr. Jörg Rahnenführer, Fakultät Statistik, TU Dortmund, Vogelpothsweg 87, 44227 Dortmund**

For any questions, please contact Prof. Dr. Jörg Rahnenführer under the email address [grk2624@statistik.tu-dortmund.de](mailto:grk2624@statistik.tu-dortmund.de)