



The UFZ has a strong commitment to **diversity** and actively supports **equal opportunities** for all employees regardless of their origin, religion, ideology, disability, age or sexual identity. We look forward to applications from people who are open-minded and enjoy working in diverse teams.

**Your contact for any questions you may have about the job:**

Helmholtz-Zentrum für Umweltforschung GmbH - UFZ  
Prof. Beate Escher  
Permoserstr. 15  
04318 Leipzig  
beate.escher@ufz.de

Please submit your application via our online portal with your cover letter, CV (please omit your photo, age, or marital status) and relevant attachments.

**Closing date for applications:**  
15.11.2021

**Place of work:** Leipzig

The Helmholtz Centre for Environmental Research (UFZ) with its 1,100 employees has gained an excellent reputation as an international competence centre for environmental sciences. We are part of the largest scientific organisation in Germany, the Helmholtz association. Our mission: Our research seeks to find a balance between social development and the long-term protection of our natural resources.

The **Department of Cell Toxicology** invites applications for the position of

## Postdoctoral Researcher (m/f/x)

Working time: 100% (39 hours per week)

Starting date: 1 January 2022 or when position is filled

Duration: 2 years with the possibility of an extension of another 2 years

### Your tasks:

- You work in the Horizon 2020 Project PANORAMIX (Providing risk assessment of complex real-life mixtures for the protection of European citizens and the environment; Green deal LC-GD-8-2-2020) in collaboration with an international team of researchers on developing new methods for the risk assessment of mixtures of chemicals using *in vitro* bioassays.
- Your task is to further develop and refine *in vitro* bioassays for neurodevelopmental toxicity in high-throughput format that are based on cell imaging techniques. This includes miniaturisation of the bioassay as well as development of image analysis and data processing.
- You apply these and established cell-based bioassays for biomonitoring of mixtures of organic chemicals extracted from blood and environmental matrices at the environment-food continuum (extraction done by other project partners).
- You perform mixture experiments with defined mixtures of detected chemicals.
- You collaborate closely with other toxicologists, analytical chemists and modellers in the PANORAMIX consortium.

### Your profile:

- A PhD in (molecular) biology, biochemistry, environmental science, (environmental) toxicology or related area.
- Experience with *in vitro* cell-based bioassays and sterile cell culture techniques (essential)
- Experience with neurodevelopmental toxicity (desired)
- Experience with imaging methods (cell painting) and/or bioinformatics experience (e.g. KNIME, R) (desired but not essential)
- High degree of organisation and ability to work independently.
- Excellent interpersonal and oral/written communication skills (English mandatory and ideally basic knowledge of German).
- Motivation to work in an international and interdisciplinary team.
- Good analytical and conceptual thinking.
- A proven publication record.

### We offer:

- Excellent technical facilities which are without parallel
- The freedom you need to bridge the difficult gap between basic research and close to being ready for application
- Work in inter-disciplinary, multinational teams and excellent links with national and international research networks
- A vibrant region with a high quality of life and a wide cultural offering for a balance between family and professional life
- Interesting career opportunities and an extensive range of training and further education courses
- Remuneration up to the TVöD public-sector pay grade 13 including attractive public-sector social security benefits

More information about jobs at the UFZ:

[www.ufz.de/career](http://www.ufz.de/career)

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