



PhD Researchers (d/m/w) in Environmental Immunology

Place of work

Leipzig

Working time

65 %

Contract limitations

limited contract / 3 years with option of extension

Salary

Remuneration according to the TVöD public-sector up to pay grade 13 including attractive public-sector social security benefits.

Contact

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

Dr. Susann Hähnel
susann.haehnel@ufz.de



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The UFZ

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 job

In the context of an interdisciplinary, international Horizon Europe project (coordination: Prof. Ana Zencussen, UFZ), we will investigate the impact of endocrine-disrupting chemicals (EDCs) on human health. The project includes experiments with multiple innovative model systems such as primary cell cultures, 3D cultures, organoids and in vivo models as well as analysis of data obtained from various international cohort studies. The impact of relevant environmental chemicals on the immune system and how this impacts in health end points and pathologies will be investigated. Triangulation of in vitro, in vivo and cohort data will be the evidence base for policy briefs to inform the EU citizens about EDCs, their health effects and actions how their negative impact can be reduced.

Within the project we offer two PhD positions:

- 1) Focus on 3D culture models, placental organoids and alternative in vivo models such as zebrafish embryos
- 2) Focus on functional analysis of immune cell populations after chemical treatment and translation into mouse models

The positions will be filled subject to the formal approval of the funding body.

Your tasks

- cell culture, cultivation of 3D organoids of placenta tissue
- isolation and chemical treatment of immune cell populations
- implementation of analytical techniques, e.g. flow cytometry, ELISA, mass cytometry
- in vivo experiments with transgenerational, 3R-conform mouse models
- in vivo experiments with zebrafish embryos
- publication and presentation of scientific data

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
- Excellent links with national and international research networks
- Excellent support and optimal subject-specific and general training with our HIGRADE graduate school

Your profile

mandatory:

- successfully completed university degree (Diplom/M. Sc./comparable) in life sciences, biology or a comparable field
- excellent skills in written and spoken English
- extensive laboratory experience, especially with cell culture
- ability to work in an international team, strong communication skills, high motivation

preferable:

- permission to conduct animal experiments (Felasa certificate)
- experience with publication and presentation of scientific results

Diversity and Inclusion

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.

More information about jobs at the UFZ:
www.ufz.de/career

Important

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

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