The following position is available immediately in the Pesticide Safety Division of the Federal Institute for Risk Assessment (BfR):

Scientific co-worker / PhD student for the investigation of relevant co-exposure scenarios (f/m/x)

Reference number	Pay grade	Place of work	Limited for	Application deadline	Apply here
3702	E 13 TVöD	Berlin	three years	10.06.2025	BfR job portal

BfR independently prepares expert opinions and statements on issues of food, feed and chemical safety and consumer health protection in Germany on the basis of internationally recognised scientific evaluation criteria. It advises the Federal Government and other institutions and interest groups in these areas. BfR thus makes an important contribution to the protection of human health.

The position is part-time, with 65% of the regular weekly working hours (currently 25.35 hours) and should be used for a doctorate. Participation in the accompanying doctoral programme is compulsory. This serves to impart both scientific and methodological knowledge and offers the opportunity to regularly present doctoral projects in internal events and benefit from scientific exchange.

You can find information on the remit of the Department here on our homepage.

The fixed term is based on the German Academic Fixed-Term Contract Act.

Im Geschäftsbereich

Bundesministerium für Ernährung und Landwirtschaft

BfR

Bundesinstitut für Risikobewertung

Tasks:

The assessment of mixtures and their toxicity remains a regulatory and scientific challenge. The planned PhD project will therefore investigate the interaction of food-borne toxicants with realistic co-exposure using New Approach Methods (NAMs). The focus will be on the systematic investigation of mechanisms of mixture toxicity in the low-dose range. The position is allocated to the junior research group and supports research into regulatory concepts for the risk assessment of mixtures. As a long-term goal, this work shall contribute to understanding low dose mixture effects and derive regulatory strategies to address them across multiple regulatory silos. The activities include in detail:

- Experimental work in vitro to investigate mixtures with human cell lines and organoids in microphysiological systems (MPS)
- Systematic testing of whole mixtures and single substances and calculation of mixture toxicity
- Development and application of chemical analytical methods
- Application of physiology-based kinetic (PBK) modelling for the extrapolation of in vitro to in vivo concentrations (IVIVE)
- Participation in the preparation of scientific publications and presentation of results at meetings and in expert panels
- Support in the supervision of practical laboratory work of Master's student

Your profile

- University degree (Master's degree, diploma or equivalent) in biology, biochemistry, chemistry, food chemistry, toxicology, pharmacy or (veterinary) medicine or a comparable discipline
- Basic knowledge in toxicology (e.g. through advanced training courses, relevant study programme or work experience)
- Proficiency in written and spoken English
- Flexibility, team spirit and the ability to work under pressure

Desired

- Practical experience in cell culture
- Practical experience in chemical analysis
- Experience in statistical analysis and programming languages, especially R

What we can offer you

- Trust-based working hours
- 30 days' annual leave (5-day week) plus 24 and 31 December as non-working days
- Attractive subsidy for the company ticket (Deutschlandticket Job)
- Possibility of hybrid working
- Very good connection to the public transport network
- Comprehensive further training opportunities for professional and personal development
- VBL company pension / Capital accumulation benefits
- Employee welfare (AWO) family service

Application process

Does this position appeal to you?

The please apply by
10.06.2025 via our **online-system**.

Please direct any questions in connection with the application process to
bewerbung@bfr.bund.de.
(Please do not send applications to this e-mail address)

If you are unable to apply online, please send your application by post to:

Bundesinstitut für Risikobewertung
Personalreferat
Max-Dohrn-Str. 8-10
10589 Berlin

Please address any questions about the area of responsibility to:
Dr. Denise Bloch: T +49 30 18412-56601
E-Mail: Denise.Bloch@bfr.bund.de

Dr. Tewes Tralau: T +49 30 18412-26000
E-Mail: Tewes. Tralau@bfr.bund.de

You will find more information on our homepage:
bfr.bund.de/de/en/working_at_the_bfr

TOP 50
BUNDESINSTITUT FÜR RISIKOBEWERTUNG
by Natural Sciences Young professionals

The BfR welcomes applications from people of all nationalities.

BfR is an innovative scientific institute offering family-friendly working conditions for which it was awarded the “audit berufundfamilie®” (work and family) certificate. BfR guarantees equal career opportunities for women and men. In the case of equal suitability, severely disabled applicants will be given preferential consideration and are only required to have a minimum level of physical suitability.