The German Federal Institute for Risk Assessment (BfR) is the national institute which prepares expert reports and opinions on questions of food, feed and chemical safety and consumer health protection in Germany on the basis of internationally recognised scientific assessment criteria. It advises the Federal Government and other institutions and interest groups in these areas. The BfR conducts its own research on topics that are closely linked to its assessment tasks. It is an institution with legal capacity within the portfolio of the Federal Ministry of Food and Agriculture (BMEL).

In the Department of Chemical and Product Safety at BfR, unit “Product Analytics”, we are seeking to recruit for a 3 year fixed-term at the earliest date possible, a

**PhD student (f/m/d)**

**Reference number: 2822/2021 | Salary group 13 TVöD**

The employment is based on 65 % of full-time weekly working hours (currently 25.35 h).

Fixed-term employment is based on the German ‘Wissenschaftszeitvertragsgesetz’.

The candidate is envisioned to obtain a PhD degree through this employment. Participation in BfR’s PhD program is mandatory. The program aims to convey scientific and methodological knowledge. It offers the opportunity to present the progress of the PhD project in regular internal events and to benefit from scientific exchange.

The PhD project will be supervised at Humboldt-Universität zu Berlin, Division of Organic and Bioorganic Chemistry.

For further job advertisements targeting prospective PhD students, please visit [www.bfr.bund.de/de/stellenanzeigen](http://www.bfr.bund.de/de/stellenanzeigen).

**Tasks:**

Participate in a research project aiming to develop an effect-mediated analytical approach for identifying genotoxic substances in consumer products.

- Establish a cell-based assay to identify genotoxic migrates derived from consumer products using the example of dyed textiles
- Develop, optimize and validate an analytical method based on LC-HRMS to identify unknown substances (in particular non-intentionally added substances, NIAS) in genotoxic migrates derived from consumer products
- Investigate the influence of the composition of the migrate solution on the release of genotoxic NIAS from dyed textiles
- Independently organize experimental laboratory work, instruct laboratory personnel and undergraduate students
- Evaluate analytical data and present the results in scientific publications and on scientific congresses
Requirements:

- University degree (master’s, diploma (university) or a comparable degree) in chemistry, biochemistry, or a similar discipline
- Scientific curiosity and keen interest to learn modern bio-analytical and instrumental analytical methods
- Basic theoretical knowledge in cell biology and instrumental analytics (chromatography, mass spectrometry) required, practical experience advantageous
- Ability to independently plan, execute and evaluate experimental work
- Very good knowledge of written and spoken English; stay abroad is a plus
- Handling of standard IT applications, conscientious work ethic, flexibility, resilience and ability to work in a team

What we can offer you:

- Flexible working hours without core working time
- 30 days’ annual leave (based on a 5-day week)
- Mobile working opportunities
- Excellent links to the public transport network
- Wide range of further training opportunities
- Travel pass
- VBL occupational pension
- Capital-forming benefits
- AWO-Familienservice/Family Service

The place of employment is Berlin.

Application process:

Does this position appeal to you?
Then please apply by September 20, 2021 via our online system:

Apply online

Please address any questions in connection with the application process to: bewerbung@bfr.bund.de
– Please do not send any applications to this email address –

If you are not able to apply online, please send your application by post quoting the respective reference number (2822/2021).
Bundesinstitut für Risikobewertung / Personalreferat - 11.17 - Max-Dohrn-Str. 8-10, 10589 Berlin

For further information please contact:
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The BfR welcomes applications from people of all nationalities.
The BfR is an innovative scientific institute offering family-friendly working conditions, for which it was awarded the "audit berufundfamilie®" (work and family) certificate. The 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.