



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 in the unit “Dermatotoxicology Study Centre” of the BfR the following three year position is available:

Doctoral candidate (f/m/d): In vitro monitoring of chemical-specific human T cell responses

Reference number: 3199 | Salary group 13 TVöD

Employment is 65% of regular weekly hours (currently 25.35 hours).

Project description:

Worldwide, allergies are a major burden on individual and public health. The underlying T cell responses remain incompletely understood. This project will investigate chemical-specific T cells via novel short-term approaches, both with respect to regulatory and diagnostic applications. High-throughput sequencing of T cell receptors offers unique insights into the specific mechanisms of chemical allergen recognition (see also auch <https://doi.org/10.1111/all.14322>; <https://doi.org/10.3389/ftox.2022.827109>; <https://doi.org/10.1111/all.15494>).

Tasks:

- Application of T-cell assays to new sensitizing chemicals. For human-relevant allergens, blood and/or tissue samples from allergic and non-allergic patients will be analyzed in clinical collaborations.
- Application of state-of-the-art methods, including cell culture, molecular biology, high-throughput sequencing, multiparameter flow cytometry, single-cell sorting, and automated data analysis.
- Preparation of scientific reports, presentations, publications, and conference proceedings for participation in national and international conferences.
- Assistance in the supervision of students (internships, bachelor and master students)

Requirements:

- University degree (master, diploma or a comparable university degree) in biology, biochemistry, human medicine, biotechnology, toxicology, pharmacology or a related field of the natural sciences
- Experience with and/or knowledge of the techniques and topics relevant to the project would be appreciated but is not a prerequisite
- Prior scientific publications, e.g., poster presentations, and/or some international experience are considered a plus

- Very good spoken and written knowledge of English, basic German knowledge is appreciated
- Solid computer skills (e.g., for presentations, data analysis)
- Ability to perform both independent scientific and team work, willingness to travel on business are required

The doctoral program of the BfR aims to convey scientific and methodological knowledge. It offers the opportunity to present the progress of the project in regular internal meetings and to benefit from scientific exchange. It is possible to register the doctoral thesis at the University of Potsdam at the Faculty of Mathematics and Natural Sciences or at the Institute of Pharmacy at the Free University (FU). If desired, other faculties / universities are also possible.

The fixed-term contract is based on Section 14 (2) of the German Part-Time and Fixed-term Contract Act (Teilzeit- und Befristungsgesetz) or the German Science Contract Act (Wissenschaftszeit-vertragsgesetz), provided that the applicant meets the legal requirements. The possibility of continued employment for a limited period of time is offered if the candidate proves his/her worth and the budgetary possibilities are available. Since recruitment is based on Section 14 (2) of the Part-Time and Fixed-term Employment Act, applications from persons who are already or have been employed by the Federal Institute for Risk Assessment cannot be considered.

We offer:

- Our Department and Study Centre offer an excellently equipped lab environment and a cooperative, interdisciplinary and international research team with comprehensive scientific supervision
- trust working hours
- 30 days annual leave (based on a 5-day week)
- 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 **16 February 2023** 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.

[Bundesinstitut für Risikobewertung, Personalreferat - 11.17 -/ Max-Dohrn-Str. 8-10, 10589 Berlin](#)

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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.

