

JOB ADVERTISEMENT

The Federal Institute for Risk Assessment (BfR) is the national institute which prepares expert reports and opinions on questions concerning the safety of food, feed and chemicals, as well as consumer health protection in Germany, on the basis of recognised scientific evaluation 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 cooperation with the Division "**Inorganic Trace Analysis**" of the Technical Department "**Analytical Chemistry; Reference Materials**" at the Federal Institute for Materials Research and Testing (BAM), the Unit "**Product Research and Nanotechnology**" of the Department "**Chemicals and Product Safety**" at the BfR has an immediate vacancy for the following position for a limited employment period of 3 years, subject to funding approval:

Doctoral Candidate
- salary grade 13 TVöD -

Reference number: 1358/2015

Employment is based on 50% of the regular weekly working time (currently 19.50 hrs).

The limited employment period is based on the German Fixed-Term Research Contracts Act (Wissenschaftszeitvertragsgesetz).

This position is part of the EU-funded "NanoDefine" project and should be used to obtain a doctorate.

Depending on the module, employment will be at the BAM or the BfR.

Duties:

The idea behind the project is to establish trace analysis methods for the determination of nanomaterials in cosmetic agents using the latest techniques in element analysis. The objective is the mass spectrometry quantification of nanomaterials in realistic cosmetic formulations by means of asymmetrical flow field flow fractionation. A further aim is to develop analytical model systems for cosmetic agents that span the divide between inorganic and organic analysis.

Duties include the following:

- Absorption and interaction studies of inorganic nanomaterials in organic vehicles
- Mass spectrometry analysis of realistic formulations from the field of cosmetic agents that contain nanomaterials (extraction and separation of nanomaterials, mass spectrometry analyses)

- Mass spectrometry analysis and quantification of the nanomaterials in combination with asymmetrical flow field flow fractionation (method development and transfer as well as validation)
- Application of multivariate statistics for data analysis
- Authoring of scientific publications, processing of data for reports, presentation of the data in the form of posters or lectures

Requirements:

- University degree in Biology, Chemistry, Biochemistry, Medicine, Pharmacy or a comparable discipline
- Knowledge of mass spectrometry analysis methods desired
- Knowledge of asymmetrical field flow field fractionation an advantage
- Knowledge of multivariate statistics would be an advantage
- Excellent written and spoken English required
- Good computer literacy as well as conscientious working nature, ability to work in a team, flexibility and the ability to cope with pressure are required

The place of work is Berlin.

More detailed information is available from:

Dr. Tentschert (Phone: +49 (0)30 18412-3473), eMail: Jutta.Tentschert@bfr.bund.de),
Prof. Dr. Dr. Luch (Phone: +49 (0)30 18412-4538); eMail: Andreas.Luch@bfr.bund.de) and
Dr. Jakubowski (Phone: +49 (0)30 8104-1110); eMail: Norbert.Jakubowski@bam.de).



The BfR welcomes applications from people of all nationalities. The BfR is an innovative scientific institute offering family-friendly working conditions and was awarded the "audit berufundfamilie®" (work and family) certificate in April 2009. The BfR is committed to equal career opportunities for women and men, and is therefore particularly interested in receiving applications from women. 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

Application procedure

Does this appeal to you?

Then please submit your application via our online system **by October 14th, 2015.**

[apply online](#)

If you have any questions regarding the application procedure, please feel free to contact Ms. Jaszczuk (Phone: +49 (0)30 18412-4808).

If you are unable to submit your application online, you can send your application by standard mail, stating the relevant **reference number** (Bundesinstitut für Risikobewertung, Personalreferat - 11.17 -, Max-Dohrn-Str. 8-10, 10589 Berlin, Germany).