PostDoc Characterization of Microplastics (m/f/d)

In the Advanced Materials & Systems Research Division, our multifaceted team works together to develop functional materials and systems for high-performance, innovative and sustainable solutions for our customers in various different industries. At the same time, we meet the legal and economic requirements.

**LOCATION** Ludwigshafen, DE  
**COMPANY** BASF SE  
**WORKING AREA** Research & Development  
**WORKING HOURS** Full-time  
**CONTRACT TYPE** Internship  
**REFERENCE CODE** EN59404655_ONLE_1

**RESPONSIBILITIES**

In our Material Physics, Analytics & Formulation unit, we are looking for a postdoc scientist to strengthen our activities in the field of Characterization of Colloidal Systems.

- You will work in interdisciplinary teams to develop and apply particle characterisation for various industries like plastics, home care, personal care or coatings with a special focus on the interactions in environmental or physiological systems.
- Your contribution is to support R&D activities where our unit provides the characterisation and screening by physical chemical methods, in close cooperation with neighboring units on biodegradability, on toxicology etc.
- In addition, you will use and supervise a set of commercial as well as customized high-end methods, and develop them toward the needs and requirements to work closely together with other labs in BASF and with external partners.
- Furthermore, you will coordinate the BASF contribution to collaborative projects with academic partners, and will lead the peer-review publication of the results.

**QUALIFICATIONS**

- PhD in environmental chemistry or related disciplines, on which you earned above-average marks
- Professional experience in the assessment of transport or hazard of microplastics or nanomaterials, using techniques to extract colloids, to characterize their biological interactions, to quantify colloids and elements
- Experience in collaborative, multi-partner, multi-disciplinary projects is a plus
- Preferably a basic understanding of toxicological methods is an advantage
- Knowledge of standard computer programs and good English skills

**BENEFITS**

- From day one you will be part of the BASF family.
- You will get involved in challenging fields of activity and have the opportunity to work on exciting projects in an interdisciplinary environment.
- Depending on the location of the respective group company you will get to know BASF and participate in various workshops and guided tours.
- In this way you will make numerous interesting experiences and get a deep insight into the world’s leading chemical company. Information regarding internships: on.basf.com/internship

**ABOUT US**

Do you have questions regarding the application process or position? Mrs. Khand Thräner (Talent Acquisition) Tel.-Nr.: +49 (0)30 2005 59929

If possible, please upload the documents into one single PDF file. Please note that we do not return paper applications including folders. Therefore please submit only copies and no originals.

**Together we can accomplish everything. Through the power of connected minds.**

We are looking forward to your online application at www.basf.com/jobs.  
We are happy to answer your questions: Email jobs@basf.com | Tel  00800 33 0000 33
Ludwigshafen is the world’s largest integrated chemical complex and home to BASF Group headquarters. Located in the heart of Europe’s Rhine-Neckar metropolitan region, you will find this to be an attractive place for both work and leisure time.

Learn more about BASF SE at http://on.basf.com/Headquarters

At BASF, the chemistry is right. Because we are counting on innovative solutions, on sustainable actions, and on connected thinking. And on you. Become a part of our formula for success and develop the future with us - in a global team that embraces diversity and equal opportunities irrespective of gender, age, origin, sexual orientation, disability or belief.

Together we can accomplish everything. Through the power of connected minds.

We are looking forward to your online application at www.basf.com/jobs.
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