

# The power of connected minds



We create chemistry

## Ph.D. Student - In Vitro Toxicology and Analytics (m/f)

We are the world's leading chemical company because we offer intelligent solutions for our customers and for a sustainable future. We connect and develop people with diverse talents all over the world. For you, this means a variety of ways to advance. Not only your performance but also your personality matter to us, without regard to gender, age, origin, sexual orientation, disability or belief. At BASF, careers develop from opportunities.

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.

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### What you can expect

Join our unit short-term toxicology as Ph.D. student starting as soon as possible. The Ph.D. project will be part of an internal project at BASF in Germany and will be performed in our laboratories for in vitro toxicology (alternative methods) and biokinetics.

- o You will contribute to the goal of the project, which will be to develop a concept for dosimetry in vitro that contributes to our animal free risk assessment strategy.
- o It will include LC-MS/MS and radioactive analyses, as well as the development of appropriate analytical methods for dose measurements of a broad spectrum of test substances for various toxicological endpoints in different test systems in vitro.
- o The generated data will be combined with in silico approaches for a better in vitro to in vivo data extrapolation.

### What we expect

- o You have a degree in chemistry or life sciences and have knowledge of basic chemistry and human biology.
- o Ideally, you also have experience in analytical chemistry (LC-MS/MS and radioactive analyses), cell culture and toxicology.
- o Your experience or interest in in silico strategies will be highly appreciated.
- o Using your sound English language skills, you are able to clearly communicate scientific results to an interdisciplinary team.
- o Furthermore, you are a motivated and creative team player with a keen interest in exploring a broad range of topics.

### We offer

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

**Working area:**  
Research & Development

**Location:**  
BASF SE, Ludwigshafen

**Working hours:**  
Full-time

**Contract type:**  
Thesis

**Reference code:**  
EN56257780\_ASS\_1

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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.

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