



Innovative medicines for people and animals have for more than 130 years been what the research-driven pharmaceutical company Boehringer Ingelheim stands for. Boehringer Ingelheim is one of the pharmaceutical industry's top 20 companies and to this day remains family-owned. Day by day, some 50,000 employees create value through innovation for the three business areas human pharmaceuticals, animal health and biopharmaceutical contract manufacturing. In 2016, Boehringer Ingelheim achieved net sales of around 15.9 billion euros. With more than three billion euros, R&D expenditure corresponds to 19.6 per cent of net sales.

## Post Doc in Computational Chemistry - 181093

Are you looking for an opportunity to enter the pharmaceutical industry? Our department of Medicinal Chemistry (Computational Chemistry group) currently offers a position for a highly qualified and strongly motivated postdoctoral fellow at our research site in Biberach, Germany. The position is limited to 2 years.

### Tasks & responsibilities:

- As a postdoctoral scientist you develop a platform to predict biological targets for small molecule ligands, based on artificial intelligence methods.
- You consolidate and combine pharmacological assay data from public domain sources, proprietary data as well as data from patents to train different machine learning approaches.
- Moreover, you develop a stable, predictive protocol which allows fast and accurate calculation of in-silico poly-pharmacology of new chemical entities.
- Furthermore, you envision sound statistical assessments of the model quality and predictive power of the models.

### Requirements:

- PhD in computational chemistry or related field (chemistry, pharmacy, physics, mathematics, bioinformatics) with focus on cheminformatics
- Experience with machine learning approaches (such as random forests, neural networks, support vector machines, and deep learning methods in general) in a cheminformatics setting
- Solid understanding of statistics
- Familiarity with Unix/Linux and HPC environments
- Experience with pharmacological concepts
- Fluency in written and spoken English
- Good scripting skills, experience with pipelining tools is advantageous

### Contact:

For further information please contact Recruiting Services:

Ms. Yue Pan, Tel: +49 (0) 7351 54 188546

Not exactly the position you are looking for? You can still forward it to friends or colleagues who might be interested. Please use the "share" button at the bottom of the page: [careers.boehringer-ingelheim.com](https://careers.boehringer-ingelheim.com)