

Post-doctoral Researcher - Cheminformatics

Optibrium is a growing software company, dedicated to developing software to guide decisions involving complex, uncertain data in an intuitive way. Our primary product, StarDrop, is focused on the pharmaceutical industry, helping scientists to reduce the time and cost of designing better medicines.

To support our internal research and development and applications of our technology to customers' drug discovery projects we are looking to recruit a postdoctoral cheminformatics researcher. You will join a team of scientists and software engineers, working at the forefront of machine/deep learning and molecular simulations applied to challenges in life sciences.

The role will be based in Cambridge, UK with opportunities to travel for collaborations and to attend conferences.

Main Responsibilities

- Working with the latest machine/deep learning methods to build models of molecular properties and activities
- Ensuring rigorous validation of new models and methods
- Applying Optibrium's technologies to ongoing drug discovery projects in collaboration with customers

Experience and Skills

The ideal candidate will have the following experience and skills:

Essential

- A PhD in chemistry, computational chemistry or cheminformatics
- Understanding of cheminformatics and QSAR methods
- Knowledge of drug discovery and the applications of cheminformatics therein

Beneficial

- Understanding of modern machine/deep learning methods
- Knowledge of ADME and pharmacokinetics

Personal

- You are innovative, self-motivated, dependable and enjoy problem solving
- You possess effective communication skills and a 'can do' attitude

If you're interested in joining a growing, entrepreneurial team working in an exciting field, please apply with a CV and covering letter to vacancies@optibrium.com (unsolicited applications from agencies will not be accepted).

Background

Optibrium provides elegant software solutions for small molecule design, optimisation and data analysis. The company's lead product, StarDrop, is a comprehensive suite of integrated software with a highly visual and user-friendly interface. StarDrop enables a seamless flow from the latest data through to predictive modelling and decision-making regarding the next round of synthesis and research, improving the speed, efficiency, and productivity of the discovery process. Founded in 2009, Optibrium is headquartered in Cambridge, UK with offices in Boston, US. Optibrium continues to develop new products and research novel technologies to improve the efficiency and productivity of the drug discovery process. Optibrium works closely with its broad range of customers and collaborators that include leading global pharma, agrochemical and flavouring companies, biotech and academic groups.