

**PhysChem / Biopharmaceutics Scientist – Simcyp Limited (www.simcyp.com)
Sheffield, UK**

Closing Date for Applications: 5th August 2011

Line of Management: Reports to Principal Scientist

Position Type: Full Time

Holiday Entitlement: 25 days, plus statutory bank holidays

Salary: Commensurate with experience, plus pension contribution, health scheme *etc.*

Job Overview:

We have an immediate opening for a Senior Scientist specialising in physical chemistry and biopharmaceutics. The candidate will be involved in creation and implementation of mechanistic ADME models within the Simcyp Simulator. A higher degree from an internationally known university and several years of industrial experience is essential. The candidate should have a solid understanding of properties of drugs related to lipophilicity (*e.g.*, logPo:w), membrane affinity, solubility, pKa, plasma protein binding, dissolution, precipitation *etc.* A demonstrable understanding of theoretical aspects and practical experience of the experimental determination of some of these properties is required. The successful candidate should have the ability to critically assess experimental protocols, to collate and review data from scientific literature and to establish relationships between phys-chem properties and chemical structure. Experience/knowledge of the following three areas will be considered a plus: *in vitro* dissolution rate measurement; measurements (solubility or dissolution rate) made in biorelevant media mimicking conditions in the GI tract; use of solubilisers/excipients to increase/control drug availability/release within the GI tract.

The successful applicants will join an internationally recognised, multidisciplinary team in which they will have the opportunity to further develop their knowledge and skills. We offer a unique and exciting mixture of academic and commercial environments which encourages regular attendance at scientific meetings as part of continuous education programs. The projects are scientifically challenging yet focused on solving practical issues relevant to modern drug development. All scientists are expected to participate in writing scientific reports relevant to their work under the guidance of our world-leading senior scientists within the group and to actively publish scholarly work.

Requirements:

Essential

- A higher degree in a relevant field such as Physical Chemistry or Biopharmaceutics.
- Sound knowledge of physical chemistry in relation to the properties described above and practical experience of the experimental determination of several of these properties.
- Track record of publication in the area of research.
- Demonstrable communication skills, as evident by a history of presenting at scientific meetings with good interpersonal and organisational skills.

Company Overview:

Simcyp is a fast-growing, research-based company that provides consultancy, knowledge integration tools, algorithms, modelling solutions and databases relevant to drug development (implemented in its globally-recognised Simcyp Population-based Simulator) for its client base of major blue-chip pharmaceutical and biotechnology organisations. The company focuses, in particular, on gathering information required for the modelling and simulation (M&S) of the time-course and fate of drugs (ADME) and their action (pharmacological or otherwise) in patients using experimental data derived from *in vitro* systems such as isolated enzyme and cellular systems, dissolution media, cell lines *etc.* We are on course to become the global industry standard in predictive population ADME, consequently there is a continuous requirement for high quality scientists to join us, help in our expansion and share our success.

Applications:

Please send your CV, covering letter and the names of two references quoting PHYS/PPK/Jun to:

- Email: recruitment@simcyp.com

OR

- Post: Recruitment, Simcyp Limited, The Blades Enterprise Centre, John Street, Sheffield, S2 4SU United Kingdom