

Job Opportunity at SimCyp

Contributed by Martin Spendiff
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SimCyp are Recruiting a Research Scientist. Click on 'Read More' for details.

Closing Date for Applications: 31st July 2009

Line of Management: Reports to Principal Scientist within Modelling & Simulation Group

Hours of Work: Mon – Fri 9.00am – 5.00pm (1hr Lunch break)

Holiday Entitlement: 25 days plus statutory bank holidays

Location: Sheffield (UK)

Salary: Subject to relevant experience

plus pension contribution, health scheme etc.

Company Overview:

Simcyp is a fast-growing, research-based company that provides consultancy, knowledge integration tools, modelling solutions and databases relevant to drug development (implemented in its world-renowned Simcyp® Population-based ADME 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) in patients using experimental data derived from in vitro systems. We are on course to become the global industry standard in this area. Consequently, there is a continuous requirement for high quality people to join us, help in our expansion and share in our success. We offer a unique and exciting mix of both an academic and a commercial environment and encourage 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 leadership of our world-leading scientists within the group.

Job Overview:

We have an immediate opening for a Research Scientist with a good understanding of physicochemical properties of drugs, human physiology and biology, and how modelling and simulation can be utilised to investigate effects of these factors on drug absorption, metabolism and disposition. Simcyp, as a research-based company, provides an excellent opportunity for advancing and diversifying the knowledge and skills of graduates in pharmaceutics, pharmacokinetics, and modelling and simulation in an environment that is scientifically challenging yet focused on solving practical issues relevant to modern drug development. The successful applicant will join an internationally recognised, multidisciplinary team in which (s)he will be expected to work on the application and development of physiologically-based pharmacokinetic (PBPK) models within the current framework of in vitro-in vivo extrapolation (IVIVE) and systems biology. Specific responsibilities will include:

- To critically review literature to obtain information relevant to specific projects such as transporter-mediated disposition – this will involve evaluation, interpretation and integration of data by means of systematic reviews and associated meta-analyses;
- Applying your model building and data analysis skills in the development of modules that require implementation in the Simcyp Simulator.

Additional tasks will include:

- Communicating the research outcomes internally and externally in the form of poster and podium presentations at scientific meetings and contribution to publications;
- Gaining familiarity with the Simcyp Simulator and its modules with the aim of being able to interact with our existing clients and potential clients in the Pharmaceutical Industry.

Essential requirements:

- A graduate (BSc) or higher degree from a reputable university in biopharmaceutics, pharmacokinetics or other relevant subjects;
- Hands-on experience in applying known techniques of data analysis to PK data beyond noncompartmental analysis to obtaining primary kinetic parameters (particularly in biopharmaceutics)
- Previous experience with some of the PKPD software such as: WinNonlin; ADAPT; NONMEM; MONOLIX etc
- Familiarity with in vitro systems used for ADME screening, particularly those related to drug metabolism and absorption, and a good understanding of environmental and biological variability;
- A demonstrable knowledge of literature search techniques, data analysis and interpretation;
- Excellent interpersonal, organizational, and communication skills

Applications:

Please send your CV, covering letter and names of two references to recruitment@simcyp.com, or post to (quoting ref Res/Web/July):

Recruitment, Simcyp Limited

The Blades Enterprise Centre

John Street

Sheffield, S2 4SU

United Kingdom