

IMPERIAL GSK PET COURSE – 2008

Wednesday 9th - Friday 11th April 2008

Due to popular demand following last year's great success you are invited to a 3-day course at Imperial College London on **PET: Technology and Application**.

The informal, interactive course will cover lectures on all aspects of PET, from molecule to man, along with the latest developments and research highlights from experts in the field. These will be combined with breakout sessions and small group discussions in selected areas appropriate for the delegates. We expect the course to be attractive to researchers in the radiopharmaceutical and drug development industries, academic researchers, and scientists already working in commercial, clinical or academic PET centres.

From the course, delegates will gain knowledge about the principles of PET imaging and an understanding of the opportunities within PET as an emerging enabling technology, and the course will provide a platform for discussion and networking.

Topics will include:

- How PET radiotopes are produced.
- The chemistry of labelling compounds with shortlived positron-emitting radionuclides.
- The design of PET tracers - impact on interpretation of scanning data (e.g. position of labelling, metabolism, stereochemistry).
- PET instrumentation - how does a PET scanner or a cyclotron work.
- How PET data is analysed (kinetic modelling, image analysis).
- How PET is used as a tool in basic biomedical research, pre-clinical studies, probing in vivo biological processes/mechanisms, drug development and discovery, diagnosis and treatment of disease.
- Case studies

The lecturers and group discussion leaders will be internationally leading researchers from a range of academic, research and industrial institutions, primarily based in the UK, and also Europe and North America. The lecturers/tutors, who are at the forefront of research and technology in the field, will include:

Marc Laruelle (Columbia, NY, USA) • David Brookes (MRC / Imperial College London) • Frank Wuest (Research Centre Rossendorf) • Wai Lup Wong (University College, London) • Paul Marsden (Clinical PET Centre, St. Thomas' Hospital, Kings College, London) • Roger Gunn (GSK) • Tony Gee (GSK) • Vin Cunningham (GSK)...+ many more

Are you interested in attending the Imperial GSK PET course 2008?

Want to know more?

Register **NOW** on the following website:

www.imperial.ac.uk/cpd/pet

or contact Dr. Nick Long n.long@imperial.ac.uk Or Dr. Tony Gee antony_d_gee@gsk.com