



*Distinguish  
yourself*

## Position Emission Tomography (PET) Technology & Application

Monday 20 April to Wednesday 22 April 2015  
Guy's Campus, London SE1 (next to London Bridge Station)

**Learn the basic principles of modern PET imaging and its applications as an emerging enabling technology**

This three-day course is delivered by leading international experts from a range of academic, research and industrial institutions in the UK, Europe and North America. It is designed for researchers in the radiopharmaceutical and drug development industries, academic researchers, and scientists already working in commercial, clinical or academic PET centres.

### WHAT DOES THE COURSE COVER?

- How PET radioisotopes are produced
- The chemistry of labelling compounds with shortlived positron-emitting radionuclides
- The design of PET tracers: impact on interpretation of scanning data (eg position of labelling, metabolism and 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

### HOW IS THE COURSE TAUGHT?

This informal and interactive course includes lectures and workshops on all aspects of PET, from molecule to man, covering the latest developments and research highlights. These are complemented by breakout sessions and small group discussions, offering a platform for networking.

### FIND OUT MORE

Course Director Professor Tony Gee [antony.gee@kcl.ac.uk](mailto:antony.gee@kcl.ac.uk)  
Administrator Jas Bains [teachingadmin-imaging@kcl.ac.uk](mailto:teachingadmin-imaging@kcl.ac.uk)

Further course details and apply online

**<http://tiny.cc/pet15>**

Division of Imaging Sciences & Biomedical Engineering  
**[www.kcl.ac.uk/imaging](http://www.kcl.ac.uk/imaging)**