Training Programme

Development of basic skills in cardiovascular research

Organised by the BHF- Centre of Research Excellence and the Medical Sciences Division

promoting the transfer of knowledge and expertise

Part C: Advanced Laboratory Techniques in Cardiovascular Science: Applications, Tips and Tricks

Date: 12/6/2013  Place: West Wing Level 6, Seminar Room A/B

<table>
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<tr>
<th>Time</th>
<th>Session</th>
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| 8:55-9:00 | Opening of the course  
(Prof. Barbara Casadei) |
| 9:00-9:30 | Designing experiments to study  
chemotaxis in vitro and  
inflammation in vivo  
(Prof. David Greaves) |
| 9:30-10:00 | FRET and biosensors  
(Dr Nicoletta Surdo) |
| 10:00-10:30 | Current methods for in vitro  
gene knockdown  
(Dr Nico Ciccone) |
| 10:30-11:00 | Coffee break |
| 11:00-11:30 | Cardiac magnetic resonance imaging in the mouse  
(Dr Jurgen Schneider) |
| 11:30-12:00 | Basic Principles of Proteomics/  
Metabolomics  
(Dr Benedikt Kessler) |
| 12:00-12:30 | Micro-arrays: Basic principles and data analysis  
(Dr Sheena Lee) |
| 12:30-12:35 | Closing remarks- Feedback |
| 12:35-13:35 | Lunch |

The aim of this course is to introduce graduate students, research assistants and post-doctoral fellows to a number of research techniques employed in cardiovascular field.

The participants will have the opportunity to enquire about methodological "tips and tricks", share concerns, and ask the "Experts" for advice on how to tackle their own scientific questions.

The third and last instalment of this course will address more "advanced" techniques, which are provided by "core facilities" within the University of Oxford.

*Registration is required in advance, as places are limited

For further details on this course or registration, please contact:
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