



Metabolic Phenotyping in Disease Diagnosis & Personalised Health Care

25th-28th November 2013

Imperial College London

South Kensington, London SW7 2AZ, UK

- ❖ Hands-on Workshops
 - ❖ NMR Spectroscopic Tools
 - ❖ Mass Spectrometry Approaches
 - ❖ Metabolite Identification
 - ❖ QC strategies and Study Design
 - ❖ Data Analysis and Interpretation
 - ❖ Panel Discussions
 - ❖ Tips and Tricks

Registration Fee

- Industry: £1100
- Academics: £595
- Students: £325

For more details please contact:

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Booking online: <http://www5.imperial.ac.uk/medicine/coursebookings/MetabolicPhenotyping2013.html>

DAY 1 Mon 25th Nov

0930	Registration and Coffee	
1000	Introductory Lecture	Jeremy Nicholson
1115	Coffee	

SESSION 1: Analytical Technologies for Metabolic Profiling I

1130	NMR Background	John Lindon
1230	Lunch	
1330	Tools for NMR based Metabonomics	Manfred Spraul
1430	Chromatography for Metabolic Profiling	Nicola Gray
1530	Coffee	
1545	LC-MS for Metabonomics	Matt Lewis
1645	Lab Tour	Lab managers
1730	Close	

DAY 2 Tues 26th Nov

0900	Coffee	
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SESSION 2: Analytical Technologies for Metabolic Profiling II

0930	GC/CE-MS and Metabonomics	Coral Barbas
1030	Sense and Nonsense in Global Metabolic Profiling by LC-MS	Ian Wilson
1130	Clinical Applications of Metabonomics	Elaine Holmes
1230	Lunch	

SESSION 3: Multivariate Statistical Data Analysis I

1330	Introduction to PCA and PLS-DA	Tim Ebbels
1430	Data Analysis Demonstration	Tim Ebbels
1510	Coffee	
1530	HAND-ON DATA ANALYSIS EXERCISE: PCA & PLS-DA	Training Instructors
1730	Close	

DAY 3 Weds 27th Nov

0900	Coffee	
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SESSION 4: Multivariate Statistical Data Analysis II

0930	Introduction to O2PLS	Tim Ebbels
1010	DATA ANALYSIS WORKSHOP: O2PLS	Training Instructors
1210	Tips, Tricks and Traps in Analysing Metabolic Profiles	Tim Ebbels
1250	Lunch	

SESSION 5: Metabolite Identification

1350	Metabolite Identification in MS	John Shockcor
1450	Metabolite Identification using NMR	Richard Barton
1550	Coffee	

SESSION 6: Tips & Tricks

1610	Tips & Tricks for MS metabolic Profiles	Elizabeth Want
1650	Tips & Tricks for NMR metabolic Profiles	Anthony Dona
1730	Close	

COURSE DINNER @ 7PM

DAY 4 Thurs 28th Nov

0900	Coffee	
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SESSION 7: Applications

0930	Metabolomics Data and Pathways	Rachel Cavill
1030	Bioinformatics and Systems Biology with Metabolic Data	Marc Dumas
1130	Coffee & Biscuits	
1145	Exploring & Exploiting the Metabolic Phenotype of Cancer	Hector Keun
1245	Real-time diagnostics by MS	Zoltan Takats
1345	Lunch & Discussion	
1445	Close	