

Metabolic Phenotyping in Disease Diagnosis & Personalised Health Care

18th-21th JUNE, 2012

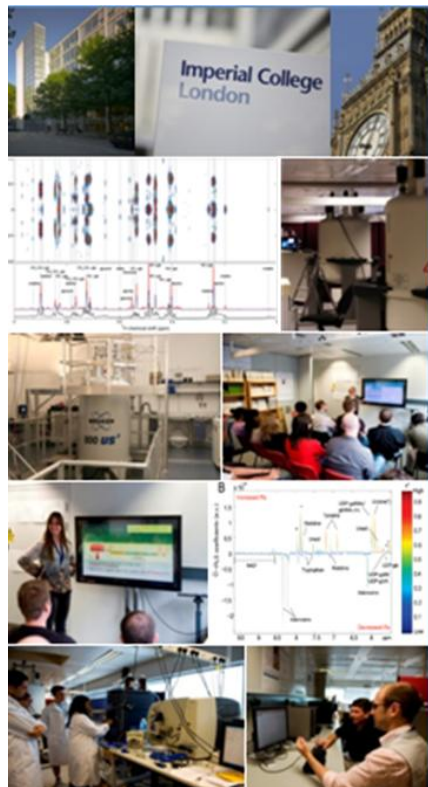
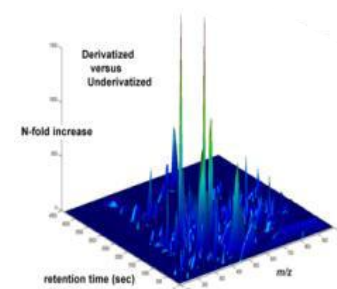
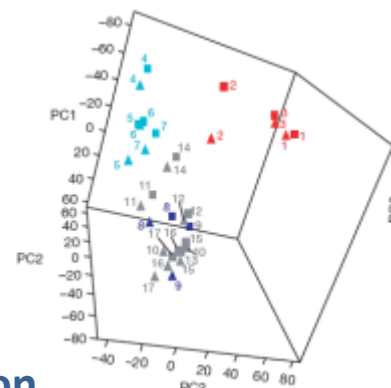
Imperial College London

G20, Royal School of Mines, 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: £975
- Academics: £475
- Students: £295



Bookings: http://www5.imperial.ac.uk/medicine/coursebookings/0612_phenotyping.html

For more details please contact: Dr Jia Li, jia.li105@imperial.ac.uk, +44 (0)207 594 3230

DAY 1 MON 18TH JUNE

0930 *Registration and Coffee*
1000 Introductory Lecture (Jeremy Nicholson)
1115 *Coffee*
1130 NMR Background (John Lindon)
1230 *Lunch*
1315 *Lab Tour (Olaf Beckonert, Matt Lewis)*
1400 Metabolite ID using NMR (Richard Barton)
1445 Tools for NMR based Metabonomics
(Manfred Spraul)
1530 *Coffee*
1545 Clinical Applications of Metabonomics
(James Kinross)
1645 Bioinformatics and Systems Biology with
Metabolic Data (Marc Dumas)
1730 *Close*

DAY 2 TUES 19TH JUNE

0900 *Coffee*
0930 LC-MS for Metabonomics (Matt Lewis)
1030 *Coffee*
1045 Metabolite Identification in MS (John Shockcor)
1145 Design of Experiments (Claire Beckett)
1230 *Lunch*
1315 Introduction to Chemometrics (Tim Ebbels)
1415 Introduction to OPLS-DA (Claire Beckett)
1500 *Coffee*
1515 DATA ANALYSIS WORKSHOP
1730 *Close*

DAY 3 WED 20TH JUNE

0900 *Coffee*
0930 Mass Spectrometric Profiling of Intact Biological
Tissues (Zoltan Takats)
1030 *Coffee*
1045 Sense and Nonsense in Global Metabolic Profiling
by LC-MS (Ian Wilson)
1145 Metabonomics and Toxicology (Muireann Coen)
1230 *Lunch*
1315 Advanced Processing of LC-MS data (Paul Benton)
1400 Tips and Tricks for Data Handling (Toby Athersuch)
1445 *Coffee*
1500 DATA ANALYSIS WORKSHOP
1730 *Close*

DAY 4 THURS 21ST JUNE

0900 *Coffee*
0930 GC/CE-MS and Metabonomics (Coral Barbas)
1030 Exploring & Exploiting the Metabolic Phenotype of
Cancer using Metabonomics (Hector Keun)
1115 *Coffee*
1130 Tips, Tricks, and Traps in analysing metabolic
profiles (Tim Ebbels)
1230 *Close*

Course Dinner, 7pm: To Be Confirmed