The Imperial International Phenome Training Centre

Metabolic Profiling in Disease Diagnosis and Personalised Healthcare

	Tuesday	Wednesday	Thursday	Friday
09:00	Registration	Coffee Break	Coffee Break	Coffee Break
09:30	Course Overview Introduction	Chromatography for Metabolic Profiling	Introduction to OPLS/O2PLS	Metabolomics Data & Pathway
10:30	Coffee Break	LC-MS for Metabonimcs	Hands-on Data Analysis Training Session	Quantitative Genetics & Network Biology with Metabolic Data
11:00	NMR Background			
11:30		Coffee Break	Coffee Break	Coffee Break
12:00	Lunch	Lab Tours	Tips, Tricks & Traps in Analysing Metabolic Profiles	Exploring/Exploiting the Metabolic Phenotype of Cancer
12:30	NMR-based Metabonomics Pipeline			
13:00		Lunch	Lunch	Lunch/Closing Discussion
13:30				
14:00	Application of NMR based Metabonomics	Introduction to PCA and Data Analysis	Sense and Nonsense in Global Metabolic Profiling	Close
15:00	Coffee Break		Coffee Break	
15:30	GC/CE-MS & Metabonomics	Hands-on Data Analysis Training Session	Metabolic Identification in MS	
16:00				
16:30	Metabolite Identification Using NMR		Application of MS Based Metabonomics	
17:00				
17:30				
19:00			Course Dinner	