

# Quality Assurance and Quality Control in Metabolomics

School of Biosciences, University of Birmingham, UK

## Course Programme

Day	Time	Session
One	9.00 – 9.15	Registration
	9.15 – 9.30	Welcome, overview of learning objectives
	9.30 - 10.45	<b>Lecture:</b> The Importance and Application of Quality Assurance and Quality Control in Metabolomics
	10.45 - 11.00	Break
	11.00 – 12.00	<b>Lecture:</b> The Application and Preparation of Quality Control Samples in Untargeted Metabolomics Studies
	12.00 – 12.45	Lunch
	12.45 – 13.00	
	13.00 – 15.00	<b>Lab:</b> Group 1, Sample Preparation <b>Lab:</b> Group 2, MS set-up (biofluid and tissue)
	15.00 – 15.15	<b>Break</b>
	15.15 – 17.15	<b>Lab:</b> Group 2, MS set-up <b>Lab:</b> Group 1, Sample Preparation (biofluid and tissue)
	17.15 – 18.00	<b>Lab:</b> Combined MS session, experimental set-up an opportunity to ask questions
Two	09.00 - 10.30	<b>Lab:</b> Group 1, MS session data review <b>Computer Workshop:</b> Group 2, Data processing tutorial
	10.30 - 10.45	Break
	10.45 – 12.15	<b>Computer Workshop:</b> Group 1, Data processing tutorial <b>Lab:</b> Group 2, MS session data review
	12.15 - 13.00	Lunch (provided)
	13.00 - 13.00	Computer Workshop: Data analysis
	16.15 - 16.30	Break
	16.30 - 17.30	Summary and wrap up