

# Workshop – Quantitative 'Omics Technologies

## PROVISIONAL PROGRAMME

VENUE: National eScience Centre, Edinburgh, UK

### Thursday 5<sup>th</sup> November

09:00	Registration	
09:30	Welcome & Introduction	Simon Tomlinson & John Anson
09:50	<b>Overview</b>	Ed Southern
	<b>Proteomics</b>	
10:35	Quantitative Proteomics	Kathryn Lilley
11:20	COFFEE	
11.35	The Pro's and Con's of phosphoproteomic analysis	Nick Morrice
12:20	The use of isobaric labelling in quantitative proteomics	Achim Treumann
13:05	LUNCH	
	<b>High Throughput Genomics</b>	
14.00	Next gen sequencing / transcriptomics	Simon Tomlinson
14:45	Chip-Seq	Steve Taylor (TBC)
15:30	TEA	
15:45	High throughput CNV analysis - 2 billion data points in 20 weeks	John Anson
16:30	Practical / Talk	Paul Bertone (TBC)
19:00	WORKSHOP DINNER	

### Friday 6<sup>th</sup> November

	<b>Quantitative Single Cell Analysis</b>	
09:00	Counting single molecules in single cells	Dietrich Lueerssen
09:45	RNA-Seq transcriptome analysis of a single mouse cell	Fuchou Tang
10:30	COFFEE	
10:45	Single cell gene expression analysis using qPCR	Linda Strömbom
11.30	<i>title to come</i>	Richard Fekete
12:15	LUNCH	
13:15	Practical - Analysis of Next-Gen Sequencing Data	Florian Halbritter
14:45	Data Integration	.....
15:30	Practical (continued)	.....