Day One – PROGRAMME

09.00 – 09.30   Registration, Refreshments
09.30 – 09.40   Welcome by Ruth Andrew
09.40 – 09.50   Introduction to Scottish Metabolomics - Karl Burgess

09.50 – 11.50   CHAIR: Ruth Andrew: Scientific Session 1 - ‘Stable Isotopes in Metabolomics’

(09.50 – 10.15) Andy Finch – 'Targeted & untargeted stable isotope studies in cancer biology'

(10.20 – 10.45) Tom Preston – 'Deuterium oxide as a versatile anabolic tracer'

10.45 – 10.55   Coffee

(10.55 – 11.20) Oliver Maddocks – ‘Using stable isotopes to analyse the contribution of serine and methionine metabolism to DNA & RNA methylation’

(11.25 – 11.50) Douglas Morrison – ‘Using Stable Isotopes to Interrogate Gut Function’

11.50 – 12.30   Poster Viewing
12.30 – 13.00   Lunch, Poster viewing and Networking

13.00 – 14.20   CHAIR: Karl Burgess: Scientific Session 2 - ‘Sample Preparation’

(13.00 – 13.25) Phil Whitfield – ‘Extraction of Lipids for Global and Targeted Analysis’

(13.25 – 13.50) Ruth Andrew/Natalie Homer – 'Pros and cons of derivatisation to enhance steroid detection by MS’


14.10 – 14.40   Coffee, Poster viewing and Networking


(14.40 – 15.05) David Watson – ‘Metabolomic profiling of post-mortem brains’

(15.05 – 15.30) Sabine Grüschow - ‘Use of HILIC for polar metabolite analysis’

(15.30 – 15.50) Sciex –‘Translating Advanced Multi-OMICS Workflows in to Large Scale Routine Analysis’ - Tom Knapman

(15.50 – 16.10) Thermo Fisher Scientific – ‘Q Exactive GC: The Start of a New Chapter in GC-MS’ – Norman Ramsey

16.10 – 16.30   Discussion and Close: Andy Finch

Evening event: St Andrews night dinner & quiz, The Caves, Edinburgh. Sponsored by Sciex
## Day Two – PROGRAMME

<table>
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<tr>
<th>Time</th>
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| 09.30 – 11.25 | **CHAIR: Andy Finch: Scientific Session 4 - ‘Quantitation & Normalisation in Metabolomics’**  
(09.30 – 09.55) | Jeffery Huang - ‘A mixed mode of stable isotope dilution and label-free LC-MS based quantification of neurosteroids’  
(10.00 – 10.25) | Karl Burgess - ‘Dealing with large cohort analyses for untargeted metabolomics’  
(10.30 – 10.55) | Gillian Mackay – ‘Quantification of targeted metabolites in cells and medium’  
(11.00 – 11.25) | Terry Smith – ‘Making effective use of lipidomics and metabolomics’  
11.25 – 11.45 | Coffee and Networking |
| 11.45 – 12.30 | **CHAIR: Phil Whitfield: Scientific Session 5 - ‘Metabolite Identification Strategies’**  
(11.50 – 12.10) | Thermo Fisher Scientific – ‘Applying mzCloud™ in known and unknown metabolite ID applied to metabolomics’ – Robert Mistrik  
(12.10 – 12.30) | Waters: ‘Using High Resolution Mass Spectrometry OMICS approaches to fight food fraud: Don’t get stung by your Manuka Honey!’ – Joanne Connolly  
(12.30 – 12.50) | Sigma Aldrich – ‘Back to the Future of Authentic Metabolites for Health and Disease’ – Roland Wohlgemuth  
12.50 – 13.45 | Lunch, Poster viewing and Networking  
13.45 – 14.45 | **Keynote Address: Prof Eyal Gottlieb, CRUK Beatson Institute, University of Glasgow – ‘Using Metabolomics to Reveal Cancer Vulnerabilities’**  
14.45 – 15.30 | Closing Remarks & Poster Prizes: Ruth Andrew  
15.30 | Close of Meeting |