

# ***'SULSA Scottish Metabolomics Network Inaugural Meeting'***

Monday 30<sup>th</sup> November and Tuesday 1<sup>st</sup> December 2015  
Venue: Debating Hall, Teviot House, University of Edinburgh

## **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'**
- (13.50 – 14.10) **Agilent Technologies – 'What's New for Metabolomics Researchers' - Anthony Sullivan**
- 14.10 – 14.40 Coffee, Poster viewing and Networking
- 14.40 – 16.15 **CHAIR: Natalie Homer: *Scientific Session 3 - 'Separation Techniques'***
- (14.40 – 15.05) **David Watson – 'Metabolomic profiling of post-mortem brains'**
- (15.05 – 15.30) **Sabine Grüşchow - '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***

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## **Day Two – PROGRAMME**

- 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