

## Schedule day 1 (Thursday 22<sup>nd</sup> March)

Time	Event	Chair
09.45-10.20	Registration and coffee	
10.20-10.30	Welcome – <i>Alastair Dent, RSC Analytical Biosciences Group chair</i>	
10.30-11.15 (45 mins)	<b>Blánaid White, Dublin City University</b> <i>Keynote: Utilising the comet assay to investigate the extent and potential mechanisms by which Selenium enriched yeasts protect intestinal cells from damaging effects of feed contaminants</i>	<b>Session Chair:</b> Lynn Dennany University of Strathclyde / ABG
11.15-11.35 (20 mins)	<b>Harry Sherman, University of Nottingham</b> <i>Electrochemical System for the Study of Trans-Plasma Membrane Electron Transport in Whole Eukaryotic Cells</i>	
11.35-11.55	Coffee break	
11.55-12.40 (45 mins)	<b>Adrian Charlton, Food and Environment Research Agency</b> <i>Keynote: Finding the needle in the haystack: Targeted and non-targeted detection of food contaminants and adulterants</i>	
12.40-13.00 (20 mins)	<b>Nasser Alamrani, University of Hull</b> <i>Development of a Label-Free Aptasensor based on dye-doped leaky waveguides (DDLW) for protein detection</i>	
13.00-13.50	* Lunch	
13.50-14.35 (45 mins)	<b>Kate Groves, LGC Group</b> <i>Keynote: Mass spectrometry-based strategies for the analysis of protein therapeutics– expanding the biopharmaceutical tool box</i>	<b>Session Chair:</b> Stefanie Frank University College London / ABG
14.35-14.55 (20 mins)	<b>Alfred F. Attah, University of Ilorin, Nigeria</b> <i>MALDI-TOF guided characterization of bioactive unusual circular peptides in Drumstick seeds</i>	
14.55-15.15 (20 mins)	<b>Marta Koszyczarek, University of Manchester</b> <i>Plasma lipidomics using ultra-high performance supercritical fluid chromatography coupled to QToF mass spectrometer</i>	
15.15-15.35 (20 mins)	<b>Huw Jones, University of Hull</b> <i>Comparison of ELISA and LC-MS detection coupled with DNA digestion for the quantification of 8-oxo-dG in human blood derivatives as a marker of oxidative stress</i>	
15.40-16.00	* Coffee break	
16.00-16.20	RSC careers talk – Robert Bowles	<b>Session Chair:</b> Robert Bowles RSC
16.20-16.45	<b>Careers panel</b> - Mark Seymour, Syngenta - Frankie Rawson, University of Nottingham - Alastair Dent, Fleet Bioprocessing - Elizabeth Dickinson, Daphne Jackson Fellow, University of York	
16.45-18.00	* Poster session and drinks reception ( <i>sponsored by Syngenta</i> )	
19.30-22.00	Conference dinner and networking at Walmgate Alehouse, York	

\* During lunch, afternoon coffee and the poster session, RSC careers specialist Dr Robert Bowles will be providing short CV clinics for RSC members.

## Schedule Day 2 (Friday 23<sup>rd</sup> March)

Time	Event	Chair
09.45-10.15	Arrival and coffee	
10.15-11.00 (45 mins)	<b>Sarah Fiddymment, University of York</b> <i>Keynote: Biomolecular codicology: revealing the unwritten biographies of books</i>	<b>Session Chair:</b> Henry Day Illumina / ABG
11.00-11.20 (20 mins)	<b>Marina Chanidou, University of York</b> <i>UHPLC Method Development for Fast and Universal Analysis of Triacylglycerols in Oils and Fats</i>	
11.20-11.45	Coffee break	
11.45-12.30 (45 mins)	<b>Nick Tucker, University of Strathclyde</b> <i>Keynote: Next-generation sequencing as an analytical tool for investigating antibiotic resistance, mode of action and discovery</i>	
12.30-12.50 (20 mins)	<b>Eve Rogers, University of Liverpool</b> <i>Using Mechanical Stretch Methodologies to Investigate the Circadian Clock and Differentiation Potential of Human Adult Progenitor Cells</i>	
12.50-13.40	Lunch	
13.40-14.00 (20 mins)	<b>Mohd Fuad, University of Liverpool</b> <i>Creating Surface-Modified Materials to Enrich Progenitor Cells Derived from Human Adult Peripheral Whole Blood</i>	<b>Session Chair:</b> Nikola Chmel University of Warwick / ABG
14.00-14.20 (20 mins)	<b>Max Hecht, University of Tartu</b> <i>The Evolution of 'sponge spray' for direct analysis by MS</i>	
14.20-15.05 (45 mins)	<b>Julie Evans, Alere Forensics</b> <i>Keynote: An Ever Changing World</i>	
15.05-15.30	Final words and presentation of prizes - Poster prize sponsored by Syngenta - Short talk prize sponsored by Jasco	

## Poster Presentations

	Presenter	Affiliation	Title
1	Dibyendu Das	<i>IISER, Mohali</i>	Design of liquid crystal based interface to study the interaction of Gram negative bacterial endotoxin with milk protein lactoferrin
2	Mechelle Bennett	<i>University of Nottingham</i>	Optimisation of Fe AGET ATRP under biocompatible conditions and in situ initiation via bacterial cells'
3	Martina Conti	<i>University of York</i>	Palaeoclimate Conditions of Pliocene and Pleistocene Sediments from Multiple Biomarker Analysis
4	Beverly Ruth Andrew	<i>University of Hull</i>	Label free Optical Biosensor for VEGF Detection
5	Anna Giela	<i>Science and Advice for Scottish Agriculture</i>	The quantitative and qualitative multi-residue determination of over 150 multi-class chemical contaminants in vertebrate animal tissues using QuEChERS extraction, SPE clean-up and LCMSMS
6	Alison Woodward	<i>University of Nottingham</i>	An integrated bi-omics method development to characterise the aberrant metabolome of a malignant childhood cancer
7	Hasan Aldewachi	<i>Sheffield Hallam University</i>	Investigation of Incorporating Various Functionalization Approaches on the Stability and Sensitivity of Gold Nanoparticles Platforms for Colorimetric Detection of DPP-IV/CD26 Activity
8	Marta Koszyczarek	<i>University of Manchester</i>	Plasma lipidomics using ultra-high performance supercritical fluid chromatography coupled to QToF mass spectrometer
9	Max Hecht	<i>University of Tartu</i>	The evolution of 'sponge spray for direct analysis by MS
10	Samantha Presslee	<i>University of York</i>	How reliable is amino acid racemisation (AAR) for predicting protein survival in bone?
11	Elizabeth Dickinson	<i>University of York</i>	Integrating transcriptomic techniques and <i>k</i> -means clustering in metabolomics to identify markers of abiotic and biotic stress in <i>Medicago truncatula</i>