

6th RSC Analytical Biosciences Group Early Career Researcher Meeting

Speaker Programme

Schedule day 1 (Thursday 28th March)

Time	Event	Chair
09.45-10.20	Registration and coffee	
10.20-10.30	Welcome – <i>Prof. John Hunt, RSC Analytical Biosciences Group chair</i>	
10.30-11.15 (45 mins)	Dong-Hyun Kim, University of Nottingham <i>Keynote: Metabolites: Small size but big impact on human life</i>	Session Chair: Frankie Rawson University of Nottingham / ABG
11.15-11.35 (20 mins)	Daniel Globisch, Uppsala University <i>Investigation of host-microbiota co-metabolism as a new strategy for biomarker discovery - New Chemical Biology tools for Metabolomics analysis</i>	
11.35-11.55	Coffee break	
11.55-12.40 (45 mins)	Carla Newman, GlaxoSmithKline <i>Keynote: SiLC-MS (Single Live Cell Mass Spectrometry) analysis in the context of drug discovery</i>	
12.40-13.00 (20 mins)	Paola Sanjuan Alberte, University of Nottingham <i>Novel strategies to remotely control bioelectronic systems</i>	
13.00-13.50	Lunch	
13.50-14.35 (45 mins)	James Scarth, LGC <i>Keynote: Drug detection in Equine Sports: Challenges and Comparison to Human Sports</i>	Session Chair: Deborah Mawson LGC / ABG
14.35-14.55 (20 mins)	Kadi Saar, University of Cambridge <i>Micron and nano scale approaches for probing proteins in solution</i>	
14.55-15.15 (20 mins)	Stuart Hannah, University of Strathclyde <i>Fabrication and development of electrode systems for label-free biosensing</i>	
15.15-15.35	Coffee break	
15.40-16.00 (20 mins)	Mohd Fuad Rahmat Sam, University of Liverpool <i>Mechanical Stimulation Promotes Erythroid Differentiation</i>	Session Chair: Stefanie Frank University College London / ABG
16.00-16.45 (45 mins)	Cecilia Bembibre, University College London <i>Keynote: TBC, Smell and Heritage</i>	
16.45-18.00	Poster session and drinks reception (<i>sponsored by Cobra Beer</i>)	
19.30-22.00	Conference dinner and networking at Peterhouse College Cambridge	

Schedule Day 2 (Friday 29th March)

Time	Event	Chair
09.30-10.00	*Arrival and coffee	
10.00-10.45 (45 mins)	Beatrice Demarchi, University of Turin <i>Keynote: Old But (Not) Gold: Raw Material Exploitation In Prehistory Revealed By Ancient Protein Analysis</i>	Session Chair: Nikola Chmel University of Warwick / ABG
10.45-11.05 (20 mins)	Rhiannon Brooks, University of Warwick <i>Biophysical investigation of membrane-curvature sensing amphipathic helices</i>	
11.05-11.25 (20 mins)	Adrian Butterworth, University of Strathclyde <i>Development of a DNA Biosensor to Detect Antibiotic Resistance</i>	
11.25-11.40	*Coffee break	
11.40-12.00 (20 mins)	Ben Edwards, Imperial College London <i>The selective and sensitive detection of protein biomarkers using aptamer based nanopores</i>	Session Chair: Mark Dickman University of Sheffield / ABG
12.00-12.20 (20 mins)	Caroline Evans, University of Sheffield <i>Proteomic analyses of intermediate filament proteins as functional and metabolic regulators of colon health</i>	
12.20-13.05 (45 mins)	Tommaso Moschetti, Illumina <i>Keynote: DNA sequencing enzymes and the relevance of Critical Parameters: do I really know my polymerase?</i>	
13.05-14.00	*Lunch	
14.00-14.20 (20 mins)	Michelle Doran, Maynooth University <i>The Development of a Microelectrochemical Biosensor for the Real-Time Neurochemical Monitoring of D-Serine</i>	Session Chair: Lynn Dennany University of Strathclyde / ABG
14.20-14.40 (20 mins)	Vuslat Buk, University College Cork <i>Nanomaterials-based miniaturised systems for electrochemical applications</i>	
14.40-15.25 (45 mins)	John Lowry, Maynooth University <i>Keynote: Neurochemistry: Interdisciplinary Interactions Between Chemistry and Biology</i>	
15.25-15.45	Final words and presentation of prizes - Poster prize sponsored by Jasco - Short talk prize sponsored by Syngenta	

* During the day RSC careers specialist Dr Robert Bowles will be providing short CV clinics for RSC members.

