

Analytical Research Forum (ARF 23)

8 June 2023 | London, UK and online



Thursday 08 June 2023 (Burlington House and streamed online)

Please note all times are BST

09.30	Registration
10.00	Welcome and introductions
	Session one
10.05	Native ambient mass spectrometry: In situ analysis of proteins in tissue Helen Cooper <i>University of Birmingham, UK</i>
10.25	An electrochemical ovalbumin immunosensor based on nanocellulose and MXene nano-framework Faheem Kareem <i>Universiti Brunei Darussalam, Brunei</i>
10.40	The Makeup of Makeup: Spectroscopic characterisation of facial cosmetics as associative trace evidence Katy Bruce <i>University of Kent, UK</i>
10.55	NMR and MS analysis of ¹⁵N-labelled complex mixtures: investigation of chloramine disinfection by-products Justinas Sakas <i>University of Edinburgh</i>
11.10	Development of an Industrial High Throughput Co-Crystal Screening Workflow Jacob Danks <i>Pharmaron UK, UK</i>
11.25	Career Panel Discussion Session chair: Robert Bowles <i>Royal Society of Chemistry, UK</i>
	<i>An interactive discussion where analytical scientists from across academia and industry share their career experiences in analytical science.</i> Panel speakers: May Copsey (<i>Royal Society of Chemistry, UK</i>) Ruth Hearn (<i>RHearn Ltd, UK</i>) Mark Parkin (<i>Eurofins Forensic Services, UK</i>) Vicky Hilborne (<i>University College London, UK</i>)
12.15	Lunch and Poster session
	Session two
13.30	Ex Vivo Intestinal Electrochemical Sensing Devices Bhavik Patel <i>University of Brighton, UK</i>
13.50	Imaging NMR for the quantitative study of protein-ligand interactions and enzymatic reactions in a single NMR tube Serena Monaco <i>University of East Anglia, UK</i>
14.05	Online TGA-GCMS: A novel method for detecting Tyre Wear Particles in Road Dusts Danial Baqer <i>University of Surrey, UK</i>

14.20	HPLC-ICP-MS and post-column isotope dilution analysis of the Fe protein profile for differential diagnosis of stroke: application to nasal exudate and serum Marta Marina Latorre <i>University of Oviedo, Spain</i>
14.35	Break and Poster session
	Session three
15.50	Stories of innovation: how to find the right tool in the "wrong" toolbox Camilla Liscio <i>Elements Materials Technology, UK</i>
16.10	Biosensor for rapid measurement of lactate in exhaled breath condensate Shulin Zhang Imperial College London, UK
16.25	The trials and tribulations of certifying geological reference materials using the GeoPT proficiency testing programme Phil Potts <i>Open University, UK</i>
17.15	Prize presentations and concluding remarks
17.20	Drinks reception and networking
18.00	Close

