Schedule day 1 (Thursday 30th March)

Time	Event	Chair
09.45-10.20	Registration and tea/coffee	
10.20-10.30	Welcome – *Prof. John Hunt, RSC Analytical Biosciences Group chair*	
10.30-11.15 *(45 mins)*	**Dr Lynn Dennany, University of Strathclyde** ***Keynote:*** *Illuminating the Way Towards Portable Detection*	**Session Chair:** *Frankie Rawson, University of Nottingham*
11.15-11.35 *(20 mins)*	*John-Paul Ayrton, University College London* Improving and characterising paratope display of nanobodies on gold nanoparticles	
11.35-11.55	Tea/Coffee break (Lab tour group 1)	
11.55-12.15 *(20 mins)*	*Ruby Brown, University of Nottingham* Quantum sensing using Redox functionalised gold nanoparticles	**Session Chair:** *Lynn Dennany, University of Strathclyde*
12.15-13.00 *(45 mins)*	**Dr Nick Tucker, University of Suffolk** ***Keynote:*** *Transcriptome guided biosensor discovery for the plastics industry*	
13.00-13.50	Lunch	
13.50-14.10 *(20 mins)*	*Gareth Owen, University of Sheffield* Analytical methods for the analysis of RNA-based biocontrols	**Session Chair:** *Stefanie Frank, University College London*
14.10-14.30 *(20 mins)*	*Madhuri Manohar, University of Cambridge* Exploring the diagnostic utility of engineered single chain variable fragment (scFv) antibodies for assessing kidney function in neonates	
14.30-15.15 *(45 mins)*	**Sam Alexander, Bicycle Therapeutics** ***Keynote:*** *Scale-up Chromatography: Separating fast from fiction*	
15.15-15.35	Tea/Coffee break (Lab tour group 2)	
15.40-16.00 *(20 mins)*	*Dr Yiwen Pei, National Physical Laboratory* Advanced Chemical Characterisation to Support the QA and QC of Lyophilised Polymeric Drug Carriers	**Session Chair:** *Carlos Fernandez, Robert Gordon University Aberdeen*
16.00-16.45 *(45 mins)*	**Dr Tommaso Moschetti, Illumina** ***Keynote:*** *Bioanalytical methods for the Sequencing Industry: An R&D view on useful applications*	
16.45-18.00	Poster session and drinks reception	
19.30-22.00	Conference dinner and networking at *The Red Lion, Whittlesford*	

Schedule Day 2 (Friday 31st March)

Time	Event	Chair
09.30-10.00	Arrival and tea/coffee (Lab tour group 3)	
10.00-10.45 (45 mins)	**Professor Robin Allaby, University of Warwick** **Keynote:** *Archaeogenomics Insights into Crop Domestication*	**Session Chair:** *Mark Dickman, University of Sheffield*
10.45-11.05 (20 mins)	*Jessica Stanley, Nottingham Trent University* Enabling technologies for wearable biosensors on textiles	
11.05-11.25 (20 mins)	*Chapman Ho, University College London* Triggerable capture-and-release strategies for the development of ultrasensitive, low-cost point-of-care diagnostics	
11.25-11.40	Tea/Coffee break (Lab tour group 4)	
11.40-12.00 (20 mins)	*Dr Eamonn Reading, King's College London* Selective protein capture under acidic and cryophilic conditions for probing complex biology by mass spectrometry	**Session Chair:** *Krisztina Radi, Protein Metrics*
12.00-12.20 (20 mins)	*Christina Robb, University of Strathclyde* Native Ion Mobility Mass Spectrometry unveils conformational preferences of Ubiquilin-2 as it Undergoes Liquid-Liquid Phase Separation	
12.20-13.05 (45 mins)	**Dr Sara Trabulo & Dr Paul Devine, AstraZeneca** **Keynote:** *Analytical Characterisation of Biologics: from Antibodies to RNA*	
13.05-14.00	Lunch	
14.00-14.20 (20 mins)	*Shekemi Denuga, University College Dublin* The Development of a Solid-State Nanopore Sensor for SARS-CoV2 Detection based on Ion Current Rectification	**Session Chair:** *John Hunt, Nottingham Trent University*
14.20-14.40 (20 mins)	*Megha Gill, University College London* Developing a new lateral flow toolkit in an E.coli-based cell-free protein synthesis system	
14.40-15.25 (45 mins)	**Professor Lisa Hall, University of Cambridge** **Keynote:** *From gene to diagnostics in low resource areas*	
15.25-15.45	Final words and presentation of prizes - *Poster prize sponsored by Analyst* - *Short talk prize sponsored by Chemical Science*	

Poster Presentations

	Presenter	Affiliation	Title
1	Annabelle R. de Vries	*University of Warwick & The Natural History Museum*	Oceanic island museomics: human impact and the natural laboratory paradigm
2	Teri Hansford	*University of Warwick*	SedaDNA analysis of Durrington Walls: a new class of Neolithic Monument
3	Pallavi Dutta	*University College Dublin*	Effect of Electrolyte Concentration on Ion Current Rectification Inversion in Conical Nanopipettes
4	Donal Whelan	*University College Dublin*	Development of a DNA Based Biosensor for the Detection of Foodborne Illness
5	Adria Martínez-Aviñó	*University College Dublin*	Rapid and ultraspecific SARS-CoV-2 diagnostics based on CRISPR-Cas12 technologies and commercial immunochromatographic assay strips
6	Stuart Milne	*University of Strathclyde*	Low-cost carbon paste electrodes to enable high throughput screening for cancer
7	Charlotte Hudlerova	*Imperial College London*	Single-Molecule Detection of Breast Cancer Biomarker Candidates from Liquid Biopsies
8	Gareth Owen	*University of Sheffield*	Analytical methods for the analysis of RNA-based biocontrols
9	Paul Coombes	*University of Sheffield*	Generation of ssDNA via Denaturing HPLC for use in SELEX
10	Festus Slade	*University of Warwick*	Metallic Fe(0) nanoparticles as theranostic MRI contrast agents
11	Niamh Docherty	*University of Strathclyde*	Adapting ELISA technologies for fast and low cost point of care measurement of cardiac and inflammatory biomarkers
12	Fleur Groualle	*University of Nottingham*	Carbon Nanotube Porins: Wireless Bioelectrochemical Sensors of the Future
13	Megha Gill	*University College London*	Developing a new lateral flow toolkit in an E.coli-based cell-free protein synthesis system
14	Hannah Taysum	*University of Strathclyde*	Development of gold nanorod – quantum dot conjugates for higher throughput single particle optical imaging and tracking in suspension.
15	Danielle Deuker	*University College London*	Developing cell-free protein synthesis platform for adeno-associated virus vectors production