



Time	Tuesday 28th June: Main Programme
9.00-9.30	Registration
9.30-9.45	Welcome address: BNASS 2022 Organising Committee
Session 1: Clinical, Biomedical and Health Applications Chair: Dr Jackie Morton	
9.45-10.15	Keynote 1: Maria Montes-Bayón, University of Oviedo, Oviedo, Spain <i>Quantitative Biomarker Analysis Via ICP-MS: A Focus On The Breast Cancer Marker (HER-2)</i>
10.15-10.35	Joshua Millar, Sheffield Hallam University, Sheffield, UK <i>Multimodal mass spectrometry imaging of key species to study age-related macular degeneration</i>
10.35-10.55	Lukas Schlatt, Nu Instruments, Wrexham, UK Endogenous metal analysis in labelled single cells using time of flight ICP-MS for the elucidation of a cells metalome on a per cell level
10.55-11.30	Refreshment break
11.30-11.50	Chris Harrington, Trace Element Laboratory, Royal Surrey Hospital Copper Measurements in Wilson Disease
11.50-12.10	Aristea Anna Leventi, University of Strathclyde, Glasgow & NML at LGC, Teddington, UK Potential Of Quantitative LA-ICP-TOF-MS To Underpin Absolute SERS Quantitation In A Cancer Model
12.10-12.45	Lightning poster talks
12.45-13.45	Lunch
Session 2: Speciation and Environmental Chair: Dr Simon Chenery	
13.45-14.15	Keynote 2: Andrea Raab, TESLA (trace element speciation laboratory) University of Graz, Austria Elemental speciation – essential or only play?
14.15-14.35	Rebecca Sim, Matís, Reykjavík, and University of Iceland, Reykjavík, Iceland Do sample preparation methods change the distribution of water-soluble arsenicals in <i>Laminaria digitata</i> ?
14.35-14.55	Joseph Ready, Sheffield Hallam University, Sheffield, UK The Use of LA-ICP-MS and Related Techniques for the Analysis of Essential Elements in Plant Tissue
14.55-15.15	Neelam Manzoor, University of Strathclyde, Glasgow, UK Influence of washing reagent used on concentration of potentially toxic elements determined in bioindicator plants
15.15-15.45	Refreshment break
15.45-16.15	Keynote 3: Dr David Green, Imperial College London, London, UK Atmospheric Particulate Measurement and Source Apportionment using High Time Resolution X-ray Fluorescence and Aerosol Mass Spectrometry
16.15-16.35	Rebecca Vesuwe, University of Strathclyde, Glasgow, UK Occurrence and oral bioaccessibility of potentially toxic elements in crude oil contaminated soils.
16.35-16.55	Elnaz Barati Imperial College London, London, UK Investigating Cadmium and Zinc Interactions in Cacao Using Stable Isotope Analyses
16.55-17.25	Lightning poster talks
17.25-18.30	Drinks reception and poster session
18.30-19.00	Manufacturers in the “Atomic Spectroscopy Dragon’s Den” Instrument manufacturers face the Atomic Spectrometry Panel
19.00	Social Evening Event, ‘Curry buffet and local drinks’.



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Session 3: Advances in Measurement Applications Chair: Dr Sarah Hill	
09.30-10.00	Keynote 4: Heidi Goenaga-Infante, NML at LGC, Teddington, UK Nanomaterials in life sciences: Advances in Standardization, Measurement Methods, Reference Materials and Remaining Challenges Imposed by Regulation
10.00-10.20	Simon Chenery British Geological Survey, Nottingham, UK Adventures in Elemental Mapping with Laser Ablation – ICP-MS
10.20-10.40	Shaun Lancaster, Montanuniversität Leoben, Leoben, Austria Exploring the use of nitrous oxide as a cell gas for inductively coupled plasma tandem mass spectrometry measurements
10.40-11.00	Ben Russell, National Physical Laboratory, Teddington, UK Comparison of tandem inductively coupled plasma mass spectrometry (ICP-MS/MS) for nuclear and gas particle metrology applications
11.00-11.30	Refreshment break
Session 4: Instrumental Advances Chair: Dr Heidi Goenaga-Infante	
11.30-11.50	Matthew Duggan, University of Manchester, Manchester, UK Identification of ⁹⁰ Sr in environmental samples via the hyphenation of ICP-MS with Collinear Resonance Ionisation Spectroscopy
11.50-12.10	David Price, Perkin Elmer, Seer Green UK Work those quads-going the distance with Multi Quad ICP-MS
12.10-12.30	Rai Wahlen, Agilent, Stockport, UK 10 years of ICP-MS/MS: How ICP-QQQ has changed ICP-MS applications and markets
12.30-12.50	David Bellis, SciMed, Stockport, UK How many Quads do you need? Choosing the right tool for right job.
12.50-13.00	Close and Final Remarks: BNASS Organising Committee
13.00	Lunch and depart
14.00-17.00	Agilent ICP-QQQ 10-year Birthday Bash!