

Future Focus II

Agenda

DAY 1 - 26th September

09:45 -10:00 Welcome and Introduction - *Camilla Liscio and Scott Dunham*

SESSION 1: FUTURE of WORKFLOW DESIGN

Chair : *Borys Banecki*

10:00-10:20 Empowering analytical chemist with stats - *Phil Aston, Element Lab Solutions*

10:20-10:40 Design of Experiments (DoE) to optimise analytical methods - *Owen Jonathan, JMP*

10:40-11:00 Data mining capabilities for 2DGC data - *Lena Dubois, LECO*

11:00-11:20 Automating complexity: workflows, wizards and wisdom- *Camilla Liscio, Element Lab Solutions*

11:20-11:40 Panellists Discussion

COFFEE BREAK

SESSION 2: FUTURE of CHROMATOGRAPHY

Chair : *Scott Dunham*

11:50-12:10 Down to Earth: Sniffing our solar system by GCxGC-MS and SIFT-MS - *Geraint Morgan, The Open University*

12:10-12:30 Maximizing the resolving power for your complex problems - Exploring the benefits of SFC, 2D-LC and Ion Mobility - *Marcus Chadha, EMEA LC-MS and GC-MS Application Specialist Manager, Agilent Technologies*

12:30-12:50 Choose the right column with the Hydrophobic Subtraction Model - *Josep Serret, Element Lab Solutions*

12:50-13:10 Panellists Discussion

LUNCH

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SESSION 3: FUTURE of AUTOMATION

Chair : Nashmya Imtiaz

- 14:10–14:30 Automation in Industry: Exploring the benefits and challenges - *Anjali Bhopal, Synthomer*
- 14:30–14:50 Automating metrology: Evaluating liquid handling robots with integrated balances for producing higher order reference methods traceable to the SI - *Tabatha Hambidge, LGC Teddington*
- 14:50–15:10 Flexible and scalable automation solutions for Everyone— Novices to Experts - *Sufyan Pandor, Agilent Technologies -Automation Product Specialist*
- 15:10–15:30 Panellists Discussion
- 15:30–15:40 Day 1 Summary and Organisation for Lab Tour- *Camilla Liscio and Scott Dunham*
- 16:00–18:00 **LAB EXPERIENCES**
- Three Stations
1. Odour Port: how to smell your analytes
 2. Beat the SIFT-MS
 3. Build your Lab on a Rail
- 19:30–21:30 **DINNER**

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DAY 2 - 27th September

09:30 -09:40 Welcome and Introduction - *Camilla Liscio and Scott Dunham*

SESSION 4: FUTURE of OMICS

Chair : Scott Dunham

SIFTOMICS

09:40-10:00 Combining thermal desorption with SIFT-MS for analysis of breath VOCs in multi-centre clinical trials - *Ilaria Belluomo, Imperial College*

10:00-10:20 Syft Tracer™: Next-Generation Volatiles Analysis, Revolutionary Workflows - *Vaughan Langford, SYFT*

10:20-10:40 Overview of SIFTomics Applications - *Mark Perkins, Element Lab Solutions*

10:40-11:00 Panellists Discussion

COFFEE BREAK

SENSOMICS

11:10-11:30 Artificial Intelligence smelling machine based on multidimensional chromatography - *Prof. Chiara Cordero - Full Professor of Food Chemistry University of Turin, Turin, Italy*
REMOTE

11:30-11:50 Sensory Directed Analysis: A Method for Identifying Sensory-Active Compounds - *Nicole Kfoury, GERSTEL Inc*

11:50-12:10 Overview of the Aroma toolkit - *Kathy Ridgway, Element Lab Solutions*

12:10-12:30 Panellists Discussion

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SESSION 5: FUTURE of LIFESCIENCES

Chair : Nashmya Imtiaz

- 13:30-13:50 Meeting the Challenges of Analytical Science in the Pharmaceutical Industry-
Sam Whitmarsh, Catsci
- 13:50-14:10 The Current state of Automation in Clinical Chemistry: Barriers and Solutions-
Rachel Carling, Synnovis
- 14:10-14:30 Analytical needs in Forensics (TBC) - *Lewis Couchman, ASI Bioanalytics*
- 14:30-14:50 Novel approach to E&L analysis - *Jonathan Dunscombe, Element Lab Solutions*
- 14:50-15:10 Panellists Discussion

COFFEE BREAK

SESSION 6: FUTURE of ANALYTICAL CHEMISTRY

- 15:20-15:50 3D Printing Capabilities to drive innovation - *Panellists: Colin Hastie - Element Lab Solutions, Alexandra Richardson Imperial College, ChomSolutions*
- 15:50-16:00 Event Summary and Food for Thought - *Camilla Liscio and Scott Dunham*