



“The primary showcase of chemical technologies since 1996”

UK Automated Synthesis Forum 2017 Agenda

Tuesday, 7th November 2017

- 10:00am** **Introductory Remarks**
Jason Tierney, Charles River, Chair UKASF
- 10:10am** **Welcome Remarks**
Paul Kendall, Festo
- 10:20am** **Plenary Lecture: Earth, Wind, Fire and Light - New Technologies Enabling Chemical Innovation**
Dr. Ian W Davies, Princeton
- 11:20am** **Coffee & Networking**
- Metabolite Synthesis and purification**
Chair: Andrew Ledgard (Lilly) / Paul Blaney (Concept Life Sciences)
- 11:40am** **The Generation and Identification of Biosynthetic Metabolites**
Dr. Scott Martin and Dr. Eva Lenz, AstraZeneca
- 12:00pm** **Reaction Screening Tools for Medicinal Chemistry**
Marc Bazin, Hepatochem
- 12:20pm** **Challenges associated with small scale purification of metabolites and impurities**
Ronan Cleary, Waters Ltd
- 12.40pm** **Lunch, Exhibition & Networking**
- Flow Chemistry I**
Chair: Paul Turner (AZ) / John Taylor (Beatson Institute)
- 2:30pm** **Using Open-Source Hardware and Software Technologies to Automate Chemical Synthesis**
Dr. Matthew O'Brien, University of Keele.
- 2:50pm** **Practical Organic Electrosynthesis in Laboratory Flow Electrolysis Cell with Extended Channels: Milligrammes to Multigrammes/Hour**
Prof. Richard Brown, University of Southampton
- 3:10pm** **Research towards Automated Continuous Flow Peptide Synthesis (Vapourtec)**
Dr. Nikzad Nikbin, New Path Molecular
- 3:30pm** **Photochemical reactors for both batch and flow**
Martyn Fordham, Asynt/Uniqsis
- 3:50-4:10pm** **Break**

New Technologies I

Jason Tierney (Charles River) / Tobias Mochel (Sygnature Discovery)



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- 4:10pm **What could be driving the lab of the future and is the ‘Smart Lab’ really a thing?**
Paul Kendall, Festo
- 4:30pm **ElectraSyn 2.0: Facilitating the mass adoption of electrochemistry for preparative organic synthesis**
Kevin Mann, IKA
- 4:50pm **Mya 4, the new Reaction Station from Radleys**
Dr. Keren Abecassis, Radleys
- 5:10pm **Continuous reactor solutions, scalable SpinPro reactor applications**
Jeoffrey van den Berg, Flow ID
- 5:40pm **Close of day**
- 7.30pm **Symposium Dinner**
Marriott Hotel, Northampton



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Wednesday, 8th November 2017

Flow Chemistry II

Chair: Batool Ahmed-Omer (GSK) / Steve Brough (Key Organics)

- 9:00am** **The Use of Optimization Algorithms in Flow for Palladium-catalyzed Reactions**
Prof. Francois-Xavier Felpin, University of Nantes
- 9:20am** **Expanding chemistry's horizon with continuous-flow reactors**
Dr. Jean-Christophe Monbaliu, University of Liege
- 9:40am** **Flow Chemistry for Gas-liquid Transformations**
Dr. Christopher Hone, CC Flow, University of Graz
- 10:10am** **Packed Bed Reactors as Tools in R&D Flow Chemistry**
Dr. Anders Lindhardt, Aarhus University

10:30-11:00am **Break**

Bespoke Automated Technologies

Chair: Jenny Kingston (AstraZeneca) / Dave Pearce (Syngenta)

- 11:00am** **Applications for the Advion mini MS within a Synthetic Environment**
Andrew Baker, Advion
- 11:20am** **Synthesis to Data: Automation on Sub mg scale**
Dr. Richard Robinson, Novartis
- 11:40am** **Data Flows - accessible automation in the connected laboratory**
Dr. Richard Ingham, Base4 Innovation Ltd.
- 12:05pm** **Prep SFC using a standard prep HPLC – a new conversion system**
Alex Bozic, ABSYS.

12:25pm **Lunch & Networking**

New Technologies II

Chair: Melanie Bayford, (Domainex) / Maninder Panesar (Vertex)

- 1:15pm** **NanoMIPs: Chemistry's answer to antibodies and their automated synthesis**
Dr. Adrian Kinkaid, MIP-Dx
- 1:35pm** **3D Printing in Organic Synthesis: The Transition from Impregnated Catalysis in Batch to Continuous Flow**
Dr. Stephen Hilton, UCL
- 1:55pm** **Training the next generation: Introducing flow and reaction design in academia**
Dr. Steve Christie, University of Loughborough
- 2:15pm** **A General Small-Scale Reactor to Enable Standardization and Acceleration of Photocatalytic Reactions**
Dr. Ian W. Davies, Princeton
- 2:30pm** **Centre for Rapid online Analysis of Reactions (ROAR): The Dial-a-Molecule Institute@Imperial**
Gill Smith, Dial-a-Molecule
- 2:50pm** **Final Remarks and Close of Meeting**

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Uranium 92 U 238.03	Potassium 19 K 39.098
Arsenic 33 As 74.922	Fluorine 9 F 18.996

Synthesis Forum

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