

SFC 2014 Program

Wednesday, October 8

12:00-12:30 Short Course Registration

12:30-5:00 Short Course

Thursday, October 9

8:00-8:30 Registration

8:30-8:45 Conference Welcome – Larry Miller and Larry Taylor

8:45-9:10 David Guillardme, University of Geneva, “Possibilities of Modern SFC-MS for Life Sciences Applications”

9:10-9:35 G. John Langley, University of Southampton, “Walk-Up and Use Hyphenation for the 21st Century”

9:35-10:30 Exhibit/Poster Session

10:30-10:55 Gilles H. Goetz, Pfizer Inc., “EPSA: Intramolecular Hydrogen Bonds (IMHB) Detection by SFC Method”

10:55-11:20 Stefan Bieber, Technische Universitat Munchen, “Supercritical Fluid Chromatography (SFC) with Mass Spectrometric Detection (SFC/MS): Organic Molecules in Waters”

11:20-11:55 Yun Huang, Pfizer, Inc., “SFC – Tandem MS/MS Bioanalytical Application: A Systematic Method Development Approach for Elimination of Matrix Effects in Bioanalysis”

11:55-1:00 Agilent Workshop

1:00-2:00 Break

2:00-2:25 Craig T. White, Lilly Research Laboratories, “Changing the Landscape of SFC Purification within Discovery Research – Utilizing Night Time Capacity to Enable Multi-Gram Purification”

2:25-2:50 Eric Francotte, Novartis Institutes for BioMedical Research, “Why Should SFC be the First Technology Choice for the Purification of Pharmaceuticals”

2:50-3:15 Jimmy DaSilva, Merck & Co., “Evaluation of Non-Conventional Polar Modifiers on Immobilized Chiral Stationary Phases with Supercritical Fluid Chromatography”

3:15-4:10 Exhibit/Poster Session

4:10-4:35 Eric Lesellier, Universite d'Orleans, “Supercritical Fluid Chromatography and Cosmetic: from natural extracts to final products”

4:35-5:00 Frederic Begnaud, Firmenich SA, “Applications of SFC in Flavors and Fragrances Industry: volatile compounds and Beyond”

- 5:00-5:45 Discussion Session – Larry Taylor and David Pinkston
5:45-7:00 Reception

Friday, October 10

- 8:00-8:30 Registration
- 8:30-8:55 Terry Berger, SFC Solutions, Inc., “Defining “Ultra High Performance” in Supercritical Fluid Chromatography”
- 8:55-9:20 Jacob Fairchild, Waters Corp., “Explaining Retention Time Drift in SFC Columns”
- 9:20-9:45 Marie Mejean, CNRS France, “Optimization of Supercritical Fluid Chromatography Coupled to High Resolution Mass Spectrometry for Vitamin E Analysis in Biological Matrices and Food”
- 9:45-10:45 Exhibit/Poster Session
- 10:45-11:10 Abhijit Tarafder, Waters Corp., “Estimating Temperature Deviations in Supercritical Fluid Chromatography Using Isenthalpic Plots”
- 11:10-11:35 Ken Broeckhoven, Vrije Universiteit Brussel, “Temperature Effects in Supercritical Fluid Chromatography: A Trade-off Between Viscous Heating and Decomposition Cooling”
- 11:35-12:00 Ruben De Pauw, University of Brussels, “Occurrence of Turbulent Flow Conditions in SFC”
- 12:00-2:00 Break
- 2:00-2:25 Caroline West, Universite d’Orleans, “Strategies to Choose a Good Column for Achiral SFC”
- 2:25-2:50 Takeshi Bamba, Osaka University, “Potential of Supercritical Fluid Chromatography in Metabolic Profiling”
- 2:50-3:15 Torgny Fornstedt, Karlstad University, “Predictable Supercritical Fluid Chromatography – Impact of Variations in Operational Parameters with Focus on Chiral Separations”
- 3:15-3:40 Fernando Montanes, Callaghan Innovation, “Separation of Glucoside Anomers Using Supercritical Fluid Chromatography”
- 3:40-4:05 Stefan Buhler, Boehringer Ingelheim Pharma, “Upscaling in Achiral SFCMS, A Practical Approach”
- 4:05-4:20 Best Poster Award Presentation, Conference Close