

SFC 2017 Program

Sunday, October 15

9:00-10:00 Short Course Registration

10:00-5:30 Short Course

Monday, October 16

8:00-8:30 Registration

8:30-8:45 Conference Welcome

8:45-9:10 Caroline West, University d'Orleans, France, "When One Column is Not Enough – Column Coupling in SFC"

9:10-9:35 Vincent Desfontaine, University of Genva, Switzerland "Applicability of SFC-MS to Metabolomics: Which Kind of Analytes can be Successfully Analyzed"

9:35-10:35 Exhibit/Poster Session

10:35-11:00 G. John Langley, University of Southampton UK, "Application of Different Chromatography and Mass Spectrometry Solutions to the Analysis of Fuels and Fuel Matrices"

11:00-11:25 Jennifer Simeone, Waters Corporation, USA, "Development and Comparison of Quantitative Methods Using Orthogonal Chromatographic Techniques for the Analysis of Potential Mutagenic Impurities"

11:25-11:55 Waters Vendor Workshop

11:55-2:00 Break

2:00-2:25 Erik Regalado, Merck Inc., USA "Ultrafast Chiral Separation of Pharmaceutical Drugs and Synthetic Intermediates: SFC Leading the Way"

2:25-2:50 Eric Lesellier, University of Orleans, France, "How Supercritical Fluids Can be Useful for Extraction, Separation, and Impregnation in the Field of Cosmetics"

2:50-3:15 Marty Beres, Amgen, USA, "Life Cycle Analyses of Preparative-Scale Supercritical Fluid Chromatography and High Performance Liquid Chromatography"

3:15-4:10 Exhibit/Poster Session

4:10-4:35 Terry A. Berger, SFC Solutions Inc., USA, "The Effect of Modifier Concentration and Column Outlet Pressure on Efficiency and Optimum Velocity in Supercritical Fluid Chromatography"

4:35-5:00 Abhijit Tarafder, Waters Corporation, USA, "Solvent Gradient Modeling in SFC - Effects of Simultaneous Variation of Composition and Pressure/Density"

5:00-5:25 Torgny Fornstedt, Karlstad University Sweden, "Understanding and Avoiding Peak Distortions in SFC Separations of Basic Compounds/Pharmaceuticals"

5:25-5:55 Shimadzu Vendor Workshop

6:00-7:30 Reception

Tuesday, October 17

- 8:00-8:30 Registration
- 8:30-8:55 Susan Olesik, The Ohio State University, USA , “Expanding the Reach of Enhanced Fluidity Liquid Chromatography”
- 8:55-9:20 J. Preston, Phenomenex, USA “Achiral SFC: No C18 Equivalent, No Problem”
- 9:20-9:45 Julie Herniman, University Southampton UK, “The Analysis of Steroidal Compounds Using UHPSFC-MS”
- 9:45-10:45 Exhibit/Poster Session
- 10:45-11:10 Christine Aurigemma, Pfizer Corporation, USA , “Investigating Novel Substituted Polysaccharide Phases for Chiral Separations by SFC”
- 11:10-11:35 Ira S. Lurie, The George Washington University, Washington, DC, USA, “The Utility of Ultra High Performance Supercritical Fluid Chromatography and Ultraviolet Detection for the Analysis of Synthetic Cathinones”
- 11:35-12:05 Agilent Vendor Workshop
- 12:05-2:00 Break
- 2:00-2:25 Mohammad Al-Sayah, Genentech, Inc.,USA, "Assessing *in vivo* Inter-conversion of Chiral Drug Molecules by 2D LC-SFC-MS"
- 2:25-2:50 Lucie Novakova, Charles University Prague, “High-Throughput Analysis of Vitamin E by Means of UHPSFC-MS and Evaluation of Matrix Effects in Plasma and in Urine”
- 2:50-3:15 Liuxi Chen, Genentech Inc., USA, "Bioanalysis of Stereoisomers by Chiral Supercritical Fluid Chromatography-Tandem Mass Spectrometry: Application to Pharmacokinetics"
- 3:15-3:40 Robert M. Campbell, The Dow Chemical Company, USA, “Physical Properties by SFC: Determination of CO₂-H₂O Partition Coefficients of Surfactants”
- 3:40-4:05 Adrien Raimbault, Universite d`Orleans, France, “Effects of Acidic and Basic Additives on Retention Mechanisms on a Teicoplanin Aglycon Stationary Phase”
- 4:05-4:20 Best Poster Award Presentation, Conference Close