

## SFC 2018 Poster Program

### Poster Sessions:

- Thursday, October 18, 9:30-10:30 am
- Friday, October 19, 9:45-10:45 am

Authors of poster number 1-30 will be in front of their posters on Thursday from 9:30-10:30 am

Authors of poster numbers 31-54 will be in front of their posters on Friday from 9:45-10:45 am

1. **Kenichiro Tanaka**, Takato Uchikata, Yasuhiro Funada, Shimadzu Corporation, Japan, SFC Method Development Using Modifier Blending Function
2. **Johanna Duval**, Shimadzu Corporation, Marne-La-Vallee, France, Alternative to the Conventional Soxhlet Extraction with the Supercritical Fluid Extraction Technique: Application for the Flavor Extraction from a Cosmetic Product
3. **Julie M. Herniman**, Chemistry, University of Southampton, UK, UHPSFC-MS and the Analysis of Archaeological Lipids
4. **Matthew Przybyciel**, David Kohler, ES Industries, West Berlin, NJ 08091 USA, The Development of a Column Screening Kit for Optimized Separations
5. **Matthew Przybyciel**, David Kohler, ES Industries, West Berlin, NJ 08091 USA, SFC Without Additives – An Imidazole Based Stationary Phase Designed for the Task
6. **DJ Tognarelli**<sup>1</sup>, John Burchell<sup>1</sup>, Satoe Iijima<sup>2</sup>, Yoshiro Kondo<sup>2</sup>, Masao Bounoshita<sup>2</sup>, Yasuyo Sato<sup>2</sup>, Miki Kuwajima<sup>2</sup>, Jeff Caldwell<sup>3</sup> and Walt Caldwell<sup>3</sup>. <sup>1</sup>JASCO Incorporated, USA, <sup>2</sup>JASCO Corporation, Japan. <sup>3</sup>Princeton Chromatography, USA. Evaluation of Temperature and Pressure Parameters for Increased Resolution for the Separation of Alkanes and Aromatics Using SFC
7. **DJ Tognarelli**<sup>1</sup>, John Burchell<sup>1</sup>, Satoe Iijima<sup>2</sup>, Yoshiro Kondo<sup>2</sup>, Masao Bounoshita<sup>2</sup>, Yasuyo Sato<sup>2</sup>, Miki Kuwajima<sup>2</sup>, Jeff Caldwell<sup>3</sup> and Walt Caldwell<sup>3</sup>. <sup>1</sup>JASCO Incorporated, USA, <sup>2</sup>JASCO Corporation, Japan. <sup>3</sup>Princeton Chromatography, USA. Parallel SFC-MS for Rapid Achiral/Chiral Method Development
8. **Kim Vanderlinden**<sup>1</sup>, K. Broeckhoven<sup>1</sup>, T. Ortmann<sup>1</sup>, X. Wang<sup>2</sup>, Vrije Universiteit Brussel, Belgium<sup>1</sup>, Agilent Technologies Europe, Germany<sup>2</sup>, Investigation Of The Experimental Parameters On The Dispersion Effects For The Feed Injection Technique in SFC
9. **J. Preston**, Seyeed Sadjadi, Phenomenex, USA, Chiral and Achiral Chromatography of Pesticides with SFC-UV and SFC-MS-MS
10. **Muhammad Alimuddin**, John Braganza, Alex Yanovsky, Wei Wang, Paul Ricardson, Pfizer Global Research and Development, Greener Reaction Monitoring at “WARP” Speed
11. **Amandine Dispas**, Pierre Lebrun, Roland Marini, Vicent Desfontaine, Doris Kotoni, Adrian Clarke, Jean-Luc Veuthey, Davy Guillarme, Philippe Hubert, University of Liege, Liege, Belgium Evaluation of Measurement Uncertainty: from SFC Method Development to Inter-Laboratory Study
12. **Mohamed Shaimi**, N. Fretey, I. Azal, G. Cox, Pic Solution Inc., Avignon Cedex, France, High Throughput Purification using SFC-MS Open Bed, from Prep run to Fraction Analysis Made Simple

13. **Shinnosuke Horie**, T. Uchikata, Y. Fujito, Y. Hayakawa, Shimadzu Corporation, Kyoto Japan, Prospective Example of Separations Improved by Pressure Increasing, but few Relevance to Density in TAG Study
14. **P. Jakubec**, K. Plachka, L. Novakova, Charles University, Czech Republic, Chiral.cloud – a Tool for Comparing Chiral Columns Enantioselectivity
15. **Jacquelyn Runco**, Waters Corporation, Milford, MA, USA, Chiral Purification of Iridium(III) Complexes by SFC
16. **Philippe Jablonski**, Stephane Kritter, David Wechsler, Roche Innovation Center, Basel, Switzerland, Integration of an Optical Rotation Detector to an Analytical SFC Device
17. **Lukas Corbinian Harps**, Jan Felix Joseph, Maria Kristina Parr, Institute of Pharmacy, Freie Universtat Berlin, SFC-MS/MS for Enantioselective Investigation on Phase-1 Reactions of Propranolol
18. **Rebecca Linke**, Anaelle Gabet, Rebecca Mott, Fiona Bell, AstraZeneca, Macciesfield, Supercritical Fluid Chromatography-From Faster Chiral Analysis to Polymer Separation
19. **Catharine Layton**, Andrew Aubin, Jacquelyn Runco, Shawn Helmueller, Waters Corporation, Milford, MA, USA, The Effects of SFC Preparative Scale-Up on Throughput, Purity, and Recovery of an Impurity in an API Mixture
20. **Majlinda Khaferaj**, Edgar Nagele, Maria Kristina Parr, Agilent Technologies, Waldbronn, Germany, Determination of Polar and Ionic Compounds by SFC-MS/MS
21. **Angeline Noireau**, Elise Lemasson, Fabien Mauge, Maria Hideux, Anne-Marie Petit, Sophie Bertom, Philippe Hennig, Eric Lesellier, Caroline West, Universite d`Orleans, France, Selection of Dilution Solvents to Limit Peak Deformation When Transferring a Method from Analytical to Preparative SFC
22. **A.B. Imbs**, E.A. Krasheninina, E.V. Ermolenko, P.V. Velansky, National Scientific Centre of Marine Biology, Far Eastern Branch of Russian Academy of Sciences, Vladivostok, Russian Federation, Vladivostok, Analysis of Non-Polar Lipids of the Mussel *Crenomytilus grayanus* by Supercritical Fluid Chromatography – Mass Spectrometry
23. **C. Foulon**, P. Di Giulio, M. Lecoeur, Analysis of Inorganic Ions by Supercritical Fluid Chromatography Hyphenated with Evaporative Light Scattering Detection
24. **Veronika Pilarova**, Said Al Hamimi, Lucie Novakova, Charlotta Turner, Charles University, Hradec Kralove, Czech Republic, From Supercritical Fluids to Liquids as Green Solvents in the Extraction of Biologically Active Compounds from sea Buckthorn
25. **Noud van der Borg**, Fleur van Zeist, G.J. van Meerten, Julija Romanuka, P.J.M. van Bentum, Arno P. M. Kentgens, Waters Corporation, Milford, USA, Analysing Complex Mixtures by Hyphenation of Supercritical Chromatography and Nuclear Magnetic Resonance (SFC-NMR)
26. **Holger Gumm**, Johannes Kern, Sepiatec GmbH, Berlin, Germany, A New, Versatile Preparative SFC System for Chiral and Achiral Separations
27. **Satoe Iijima**, et al, JASCO Corporation, Tokyo, Japan, Utilization of Semi-Prep SFC for Structural Analysis of Chiral Substances by ECD and VCD Spectrometers
28. **Josephine Lubeck**, Jan H. Christensen, University of Copenhagen, Denmark, From Knowns to Unknowns – Method Development of a Non-Target Sediment Analysis with SFC/MS

29. **Rick Wikfors**, et al. Agilent Technologies Wilmington, Delaware USA, Accelerating Modifier-Free SFC Separations Using Backpressure and Flow Gradients with FEED Injection
30. **Daniel M. Delgado**, H. A. Azeem, M. Sandahl, C. Turner, Lund University, Sweden, Analysis of Various Classes of Emission Markers in Atmospheric Aerosols Using SFC-APCI-MS/MS
31. **Marie Lecoœur**, P. Di Giulio, C. Foulon, University of Lille, France, Analysis of Inorganic Ions by Supercritical Fluid Chromatography Hyphenated with Evaporative Light Scattering Detection
32. **Yutaka Konya**, Yoshihiro Izumi, Takeshi Bamba, Kyushu University, Japan, Simultaneous Chiral Amino Acid Analysis Using SFC/MS
33. **Kenichiro Tanaka, et al.**, Shimadzu Corporation Japan-Singapore, Development and Validation of on-line SFE-SFC-MS/MS Method for Screening of Aflatoxins in Grain Matrices
34. **Kenichiro Tanaka, et al.**, Shimadzu Corporation Japan-Singapore, SFC method development using modifier blending function
35. **Matthew Przybyciel**, David Kohler, Ryan Kohler, ES Industries, West Berlin, NJ 08091 USA, Chemically Modified Polymeric Substrates to Improve Chiral Separations
36. **Matthew Przybyciel**, David Kohler, ES Industries, West Berlin, NJ 08091 USA, Tracking Column Performance and Column Integrity with a Chemical Test Mixture Designed Specifically for SFC Chromatography
37. **DJ Tognarelli**<sup>1</sup>, John Burchell<sup>1</sup>, Satoe Iijima<sup>2</sup>, Yoshiro Kondo<sup>2</sup>, Masao Bounoshita<sup>2</sup>, Yasuyo Sato<sup>2</sup>, Miki Kuwajima<sup>2</sup>. <sup>1</sup>JASCO Incorporated, USA, <sup>2</sup>JASCO Corporation, Japan. The Use of Circular Dichroism Detection in SFC to Determine Enantiomeric Ratios without Peak Resolution
38. **D. J. Tognarelli**, Evaluation of Temperature and Pressure Parameters for Increased Resolution for the Separation of Alkanes and Aromatics Using SFC
39. **Keiko Matsumoto**, K. Tanaka, H. Terada, U. Yasuhiro Funada, Shimadzu Corporation, Kyoto, Japan, Improvement of Total Analytical Work Flow by using Online SFE-SFC
40. **Nora Gibitz Eisath**, Sonja Sturm, Hermann Stuppner, University of Innsbruck, Austria, Supercritical Fluid Chromatography as a Fast Alternative for the Simultaneous Determination of Iridoids, Flavonoids, and Phenylpropanoid Glycosides in *Verbena officinalis*
41. **Bernhard Wust**, Juliane Teubel, Jan Felix Joseph, Maria Kristina Parr, Agilent Technologies, Waldbronn, Germany, Ionization Interfaces in SFC-MS: Evaluation of APCI, APPI, and ESI for Steroid Profiling
42. **Antoni Severino**, Pierre Billemont, Braine-l'Alleud, Belgium, MedChem Compounds: A New Approach for High Throughput SFC-MS Purification with Open-Bed Collection
43. **Emmanuelle Lipka**, Anca-Elena Dascalu, Alina Ghinet, Muriel Billamboz, Faculte de Pharmacie, de Lille-59000 France, Preparative Enantioseparations using Supercritical Fluid Chromatography of Novel FTIs, as Potential Candidates in Rare Genetic Disorders
44. **Andrew Aubin**, Shawn Heim Mueller, Catharine Layton, Jacquelyn Runco, Waters Corporation, Milford, MA, USA, Supercritical Fluid Extraction and Purification of Cannabidiolic Acid (CBDA) from Hemp

45. **Abhijit Tarafder**, Jason Hill, Waters Corporation, Milford, MA, USA, Effects of the Presence of Water in SFC Mobile-Phases
46. **Eric Bald**, Philippe Jablonski, Stephane Kritter, David Wechsler, Roche Innovation Center, Basel, Switzerland, NOVASEP - Supersep 150 Adapted to the Medicinal Chemistry Needs
47. **Gioacchino Luca Losacco**, Serge Rudaz, Jean-Luc Veuthey, Davy Guillarme, University of Geneva, Geneva 4-Switzerland, SFC-MS in Metabolomics: For Optimization of the Mobile Phase Conditions for the Simultaneous Analysis of Hydrophilic and Lipophilic Substances
48. **Shawn Helmueller**, Andrew Aubin, Waters Corporation, Milford, MA, SFC Scale-up and Purification of Cannabinoid (CBN) from a Crude Reaction Mixture
49. **Lucie Novakova**, Tereza Lacmanova, Anna Hostalkova, Lucie Cahlikova, Frantisek Svec, Charles University Prague, Czech Republic, UHPSFC-MS in Analysis of Plant Material: Tackling Separation of Alkaloids in Amaryllidaceae Extracts
50. **Katerina Plachkka**, P. Jakubec, L. Novakova, Charles University, Prague Czech Republic, Hyphenation of Supercritical Fluid Chromatography with a Simple Quadrupole Mass Spectrometry
51. **Magali Lima**, J.Otin, S. Fermas, L'Oreal Research and Innovation, Aulnay-sous-bois, France, A New SFC-CAD/MS Technology to Separate Glycerides
52. **Satoe Iijima**, et al, JASCO Corporation, Tokyo, Japan, Analysis of Additives in Polymer Samples by Online Extraction-Chromatography System
53. **Hans-Joachim Johl**, LEWA America, Inc., USA, High Pressure Diaphragm Pumps for Supercritical Industrial Processes - Production and Environmental Safety
54. **Johanna Duval**, Shimadzu Corporation, Marne-La-Vallee, France, An Attempt to Design a New Approach for the Selective Sub/Supercritical Fluid Process (SSFE): Application to the Natural Product Extraction Research