

## SFC 2019 Poster Program

### Poster Sessions:

- Monday, September 30, 3:20-4:10 pm
- Tuesday, October 1, 9:40-10:45 am

Authors of odd numbered posters will be in front of their posters on Monday from 3:20-4:10 pm

Authors of even numbered posters will be in front of their posters on Tuesday from 9:40-10:45 am

1. **Hulger Gumm**, Sepiatec, Germany, Natural Compound Isolation with Preparative SFC
2. **Shuping Dong**, William Leister, GlaxoSmithKline, USA, Implementation of a Novel Shimadzu Supercritical Fluid Chromatography Screening Platform to Support Drug Discovery Purification
3. **Edward G. Franklin**, Gay Lowden, Regis Technologies, USA, Sample Loadability on Coated and Immobilized Polysaccharide-Based CSPs
4. **Weston Umstead**<sup>1</sup>, Loanne Chung<sup>2</sup>, <sup>1</sup>Chiral Technologies, USA, <sup>2</sup>Pfizer, USA, Recent SFC Applications for Daicel's DCPAK® Poly(4-vinylpyridine) Achiral Stationary Phase
5. **Eric Kawka**, Cattis Scientific, USA, Scale-up Study of a Supercritical Fluid Extraction Process for Cannabinoids Derived from *Cannabis Sativa*
6. **Catharine Layton**, Andrew Aubin, Waters Corporation, USA, SFC Purification System Performance Evaluation of Purity and Recovery
7. **Jacquelyn Runco**, John Van Antwerp, Thar Process, USA, Isolating Valuable Cannabinoids from CBD Mother Liquor Using Preparative SFC
8. **Jacquelyn Runco**, Jayme Kennedy, Thar Process, USA, Cannabinoid Content Analysis of Commercial CBD Products by UPC<sup>2</sup>
9. **Lukas Harps**, Jan Felix Joseph, Maria Kristina Parr, Freie Universitat Berlin, Germany, Chiral Sub-2µm Particle Columns Applied in Bioanalytical SFC-MS/MS Separating Propranolol's Phase-1 Metabolites
10. **K. Plachka**, P. Jakubec, F. Svec, L. Novakova, Charles University, Czech Republic, Effect of Different Make-Up Solvent Compositions on Ionization in Supercritical Fluid Chromatography-Mass Spectrometry
11. **Veronika Pilarova**<sup>1</sup>, Lukas Kuda<sup>1</sup>, Karel Dolezal<sup>2</sup>, Johannes van Staden<sup>3</sup>, Lucie Novakova<sup>1</sup>, <sup>1</sup>Charles University, Czech Republic, <sup>2</sup>Palacky University, Czech Republic, <sup>3</sup>Univeristy of KwaZulu-Natal Pietermaritzburg, South Africa, Carbon Dioxide Expanded Liquid as a Powerful Solvent for the Extraction of Quercetic from Quince Fruit
12. **Martin Enmark**<sup>1</sup>, Marek Szymanski<sup>2</sup>, Jorgen Samuelsson<sup>1</sup>, Torgny Fornstedt<sup>1</sup>, <sup>1</sup>Karlstad University, Sweden, <sup>2</sup>Orebro University, Sweden, A New Strategy for Improved Method Transfer and Scale Up in SFC
13. **Martin Enmark**<sup>1,2</sup>, Emelie Glenne<sup>1</sup>, Marek Lesko<sup>1</sup>, Fredrik Lime<sup>3</sup>, Jorgen Samuelsoon<sup>1</sup>, Torgny Fornstedt<sup>1</sup>, <sup>1</sup>Karlstad University, Sweden, <sup>2</sup>Uppsala University, Sweden, <sup>3</sup>Nouryon, Sweden, Peak Distortions in SFC Due to the Mobile Phase Composition

14. Jennifer Field<sup>1,2</sup>, Graeme Cochrane<sup>1</sup>, Melvin R. Euerby<sup>1,2</sup>, **Paul Rodwell**<sup>3</sup>, <sup>1</sup>Univeristy of Strathclyde, UK, <sup>2</sup>Shimadzu UK Limited, UK, <sup>3</sup>Merck, Ltd., UK, Evaluation of Supercritical Fluid Chromatography for the Analysis of Novel Psychoactive Substances (NPS) – Regioisomeric Phenidine Derivatives
15. Edgar Naegele<sup>1</sup>, Susanne Soelster<sup>1</sup>, **Rick Wikfors**<sup>2</sup>, <sup>1</sup>Agilent Technologies, Germany, <sup>2</sup>Agilent Technologies, USA, Separation of Highly Polar Compounds by SFC (EFLC) With Accurate-Mass Q-TOF LC/MS Detection and Database and Library Search Identification
16. **Takafumi ONISHI**<sup>1</sup>, Kanji NAGAI<sup>2</sup>, Katsuyuki MUKAI<sup>2</sup>, Satoshi SHINKURA<sup>2</sup>, Atsushi OHNISHI<sup>2</sup>, <sup>1</sup>Chiral Technologies, USA, <sup>2</sup>DAICEL Corporation, Japan, Rapid Analysis of Plants-Derived Glucosylceramides and Steryl Glucosides under Supercritical Fluid Chromatography Column
17. **William Hedgepeth**, Yuka Fujito, Shimadzu, USA, Minimizing Matrix Effects in SFE-SFC-MS
18. **Shinnosuke Horie**, Yoshihiro Hayakawa, Shimadzu Corporation, Japan, Practical Applicability of Sequential Analysis of Reverse Phase Liquid Chromatography (RPLC) and Supercritical Fluid Chromatography (SFC) with an LC/SFC Switching System
19. **Yuka Fujito**<sup>1</sup>, Yoshihiro Hayakawa<sup>2</sup>, Takeshi Bamba<sup>3</sup>, <sup>1</sup>Shimadzu Scientific Instruments, USA, <sup>2</sup>Shimadzu Corporation, Japan, <sup>3</sup>Kyushu University, Japan, Analysis of Volatile Compounds by SFC/MS with Novel Polymer-Based Column
20. **Matthew Przybyciel**, ES Industries, USA, Chiral Separation of the Germicide Diniconazole
21. **Matthew Przybyciel**, ES Industries, USA, SFC Isolation of THCA and CBDA from Cannabis Using a Newly Developed Chromatography Column
22. **Regina Black**, Guannan Li, Michael Woodman, Jennifer Hitchcock, Agilent Technologies, USA, Separation and Quantitation of Seven Cannabinoids Using SFC-MS/MS
23. P. Jakubec, **K. Plachka**, L. Novakova, Charles University, Czech Republic, Chiral.Cloud – A Tool Enabling the Comparison Of Chiral Columns Enantioselectivity and Chiral Separations Library Exchange
24. **A. Paige Wicker**<sup>1</sup>, Kenichiro Tanaka<sup>2</sup>, Masayuki Nishimura<sup>3</sup>, Vivian Chen<sup>3</sup>, Tairo Ogura<sup>2</sup>, William Hedgepeth<sup>3</sup>, Kevin A. Schug<sup>1</sup>, <sup>1</sup>The University of Texas at Arlington, USA, <sup>2</sup>Shimadzu Corporation, Japan, <sup>3</sup>Shimadzu Scientific Instruments, USA, Multivariate Approach to On-Line Supercritical Fluid Extraction-Supercritical Fluid Chromatography-Mass Spectrometry Method Development