

# ISCC 2017 POSTER ASSIGNMENTS BY LAST NAME

**GROUP 1: GC Applications**

Posters 1-29

**Poster Presentation Times and Locations:**

**GROUP 2: GC Stationary Phases**

Posters 30-39

Odd number posters will present on Wednesday, May 17th

**GROUP 3: GC Detectors & Data Handling**

Posters 40-49

from 1:40 -3:10PM in Crystal Ballrooms B/C.

**GROUP 4: Sample Prep**

Posters 50-69

Even posters will present on Thursday, May 18th

**GROUP 5: HPLC Stationary Phase**

Posters 70-99

from 2:00 -3:30PM in Crystal Ballrooms B/C.

**GROUP 6: Liquid Phase Separation Applications**

Posters 100 -119

**GROUP 7: LCxLC**

Posters 120-129

POSTER #	GROUP #	LAST NAME	FIRST NAME	ORGANIZATION	ABSTRACT TITLE
70	5	Ali	Ashraf	Inha University	C18 bound sub-2 $\mu$ m silica monolith particles as HPLC stationary phase of excellent
100	6	Ali	Ashraf	Inha University	Separation of Synthetic Peptides and Proteins by Open Tubular Capillary Electro-chromatography
2	1	Alonso	David	LECO	Biomarker identification for nonalcoholic fatty liver disease via GC-MS
50	4	Azizi	Mohammadmehdi	University of Texas at Arlington	Hexafluoroisopropanol induced two phase systems in membrane proteomics
51	4	Baghdady	Yehia	University of Texas at Arlington	A Novel In Situ Derivatization Kit for Liquid Chromatography Tandem Mass
40	3	Bai	Ling	University of Texas at Arlington	A comparison of GC-VUV, GC-FID and GCxGC-TOFMS for characterization of weathered diesel fuels
71	5	Barhate	Chandan	University of Texas at Arlington	Chromatographic resolution of complex mixtures and closely related species using ultrafast separations in the second dimension
72	5	Barhate	Chandan	University of Texas at Arlington	Ultrafast Chiral Separations: Are They Broadly Applicable?
101	6	Berghorn	Andrew	University of Texas at Arlington	Online SFE-SFC-MS for Direct Extraction and Analysis of Designer Drugs in Urine
41	3	Berrier	Kelsey	University of Washington	Determination of Components in Simulated GC-TOFMS Chromatograms by the 2D m/z Cluster Method
52	4	Berthod	Alain	University of Lyon 1, CNRS	Edelweiss antioxidant extraction by hyphenating countercurrent and classical chromatography
30	2	Bicchi	Carlo	University of Torino	Analysis of fragrances of vegetable origin and essential oils with a new generation of highly inert GC columns coated with ionic liquids.
31	2	Bicchi	Carlo	University of Torino	Ionic liquids as water-compatible GC stationary phases for the analysis of fragrances of vegetable origin and essential oils
3	1	Binkley	Joseph	LECO	Comparison of "Weird and Wild" Jelly Bean Flavors Using HS SPME - Gas Chromatography - Mass Spectrometry
53	4	Chowdhury	Saiful	University of Texas at Arlington	Selective enrichment of functional arginine residues in proteins by bio-orthogonal click chemistry and mass spectrometry
32	2	Darko	Ernest	University of Calgary	The Use of a pH-Adjusted Water Stationary Phase in GC Separations
102	6	Davila El Rassi	Guadalupe	Oklahoma State University	A novel approach for determination of trans 18:1 isomers by HPLC

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1	1	Di Lorenzo	Robert	The Hospital for Sick Children	A (non)targeted method for analysis of the serum exposome using atmospheric pressure gas chromatography-mass spectrometry
103	6	Doherty	Steve	AbbVie Inc.	Unattended Reaction Monitoring using Automated Microfluidic Sample-prep and On-line Liquid Chromatography
120	7	Donato	Paola	University of Messina	Comprehensive 2D LC coupled to triple quadrupole MS for enhanced resolution and
127	7	Donato	Paola	University of Messina	Untargeted profiling of Glycyrrhiza glabra with comprehensive two-dimensional liquid chromatography-mass spectrometry using multi-segmented shift gradients in second dimension: expanding the metabolite coverage
104	6	Du	Siqi	University of Texas at Arlington	Studies of D-Amino Acid Levels in Mouse Brain Tissues and Blood
73	5	El Rassi	Ziad	Oklahoma State University	Monolithic stationary phases with incorporated bare and surface modified fumed silica nanoparticles for hydrophilic interaction capillary electrochromatography
74	5	El Rassi	Ziad	Oklahoma State University	Poly (2-carboxyethyl acrylate-co-ethylene glycol dimethacrylate) monolithic precursor column and its post polymerization modification with nonpolar ligands for use in reversed phase capillary liquid chromatography
75	5	Franklin	Edward	Restek	Evaluating Mass Overload on Superficially Porous Particles
76	5	Franklin	Edward	Restek	Affecting Selectivity and HILIC Retention on a FluoroPhenyl Stationary Phase
4	1	Gorecki	Tadeusz	University of Waterloo	Temperature Programming of the Second Dimension in Comprehensive Two-Dimensional Gas Chromatography
121	7	Gorecki	Tadeusz	University of Waterloo	Towards simpler LCxLC: RPxRP separations with parallel gradient in the second dimension to enhance utilization of the separation space
5	1	Green	Shayne	Dow Chemical	Analytical Challenges in Taste and Odor Characterization of Food Packaging
6	1	Hayward	Taylor	Apeel Sciences, Santa Barbara, USA	Characterization of Edipeel(tm) on the Surfaces of Avocados
105	6	Hellinghausen	Garrett	University of Texas at Arlington	Ultra-fast Enantiomeric Separations of Nicotine and Nicotine Related Compounds Using a Novel Semi-Synthetic Vancomycin-Based Core-Shell HPLC Stationary Phase
77	5	Huang	Weixiong	University of Texas at Arlington	Preparation and Characterization of Capillary Column and Suppressor for Suppressed Open Tubular Ion Chromatography

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78	5	Huang	Yifan	Texas Tech University	Isomeric Separation and identification of Glycopeptide on Porous Graphitic Carbon
7	1	Humston-Fulmer	Elizabeth	LECO	Investigation of Beer Aging by GC-TOFMS
8	1	Jobst	Karl	McMaster University	Shining a light on environmental toxicants using GC(xGC)-atmospheric pressure photoionization mass spectrometry
106	6	Kadjo	Akinde	University of Texas at Arlington	Revisiting Chromatographic Quantitation in a Digital Age, Peak Quantitation from Peak
42	3	Kelly	Christina	LECO Corporation	Residual Solvents Analysis: Satisfying USP 467 Using a New Benchtop Time-of-Flight Mass Spectrometer
43	3	Kelly	Christina	LECO Corporation	Battling Fuel-Washing: Identification of Accutrace S10 in Diesel Samples Using a New Benchtop GC-TOF MS System
54	4	Koolivand	Amir	University of Texas at Arlington	Lipid Coacervation for Extraction and Enrichment of Membrane Proteins in Proteomics Studies
79	5	Lang	John	University of Texas at Arlington	Structural Changes in Chromatographic Supports with Modification by Covalently Bound Selectors
107	6	Lee	JT	AZYP LLC	Ultrafast Enantiomeric Separation of Basic Pharmaceutical Compounds in HPLC Using Core-Shell Particles
9	1	Leghissa	Allegra	University of Texas at Arlington	Methods for analysis of cannabinoids using gas chromatography – triple quadrupole – mass spectrometry and gas chromatography – vacuum ultraviolet spectroscopy
80	5	Liden	Tiffany	University of Texas at Arlington	Characterization of Petroleum Hydrocarbons in Unconventional Oil and Gas Waste Waters
55	4	Lin	Monica Kham	Kprime Technologies, Canada	Novel HPLC Approach with Water Extraction for Ultra-trace Analysis of Furanic Compounds in Transformer Oils
108	6	Liu	Shaorong	University of Oklahoma	Multiple Channel UV/Vis Absorption Detector for high throughput screening of chromatographic separations
109	6	Luong	Jim	Dow Chemical Canada	Flow Injection with Chemiluminescence Detection for the Rapid Determination of
122	7	Ma	Hongyan	University of Oklahoma	Detection of Active Enzymes using Two-Dimensional Activity-Correlated Quantitative Proteomics Platform (2D_ACPP)

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POSTER #	GROUP #	LAST NAME	FIRST NAME	ORGANIZATION	ABSTRACT TITLE
44	3	Machyňáková	Andrea	Faculty of Chemical and Food Technology, Slovak University of Technology in Bratislava	Development and optimization of an automated SPE-LC-Q-TOF-MS method for determination of macrolide antibiotics in surface waters in compliance with 2013/39/EC
56	4	Machyňáková	Andrea	Faculty of Chemical and Food Technology, Slovak University of Technology in Bratislava	Preparation, evaluation and application of molecularly imprinted polymer for on-line SPE extraction of coumarins from Tokaj specialty wines
33	2	Maimone	Mariarosa	Chromaleont SrL	Determination of potentially harmful volatiles in e-liquids exploiting a unique devoted mass spectral library with embedded linear retention indices
10	1	McCurry	James	Agilent Technologies	Developing Fast GC Methods Using a Unique Capillary Column Heating Technology
34	2	McGuigan	Megan	Centers for Disease Control and Prevention	GC/MS Analysis of Volatile Organic Compounds in Mainstream Tobacco Smoke
81	5	McKelvie	Kaylan	University of Alberta	Organo-sulfur analysis using a water stationary phase in GC-FPD
35	2	Miller	Kelsey	University of North Carolina at Chapel Hill	Using high-efficiency, meter-long capillary ultrahigh pressure liquid chromatography columns to separate phospholipid isomers
11	1	Nguyen	Chuong	University of Texas at Arlington	Gas chromatography and metal analysis of produced water treated with a household commercial filter
57	4	Oloumi	Armin	University of Texas at Arlington	Characterization and Formation of Perfluoro alcohol/acid Induced Coacervates in Protein Extarction
110	6	Pacot	Giselle	Monash University	Determination of selected PPCPs in water by direct-injection LC-MS/MS
82	5	Patel	Darchan	University of Texas at Arlington	Rapid and High-Efficiency Chiral Liquid and Supercritical Fluid Chromatography Using Superficially Porous Particles
36	2	Patil	Rahul	University of Texas at Arlington	Examination of Selectivities of Thermally Stable Geminal Dicationic Ionic Liquids by Structural Modification
111	6	Peng	Wenjing	Texas Tech University	Revealing breast cancer cell brain metastasis genes with siRNA coupled to LC-MS/MS
58	4	Qiao	Xiaoqiang	University of Texas at Arlington	HFIP-Ionic Liquid based Coacervation System for Efficient Fractionation of Membrane Proteins with Increased Identification Efficiency

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45	3	Qui	Changling	The University of Texas at Arlington	Gas Chromatography-Vacuum Ultraviolet Detection (GC-VUV) for Analysis of Terpenes and Turpentines
112	6	Rakhmadiyeva	Sluken	L.N.Gumilyov Eurasian National University	HPLC method in analysis of Calligonum aphyllum (Pall.) Guerke
12	1	Rathburn	Wayne	Honeywell UOP	Analysis of Density in Petroleum by Comprehensive Two-Dimensional Gas Chromatography
123	7	Ren	Jiangtao	University of Oklahoma	Online Two-Dimensional Liquid Chromatography for Effective and Comprehensive Analysis of Complex Protein Samples with Multiple Capillary Second-Dimension Columns
113	6	Rigano	Francesca	Chromaleont Srl	Supercritical fluid chromatography coupled to electron ionization mass spectrometry
59	4	Rion	Halie	University of Texas at Arlington	Surfactant Based Coacervation in Protein Extraction
13	1	Roodt	Alexis	University of Pretoria	A new approach for the collection and comparison of volatile skin chemicals for analysis by GCxGC-TOFMS
83	5	Roy	Daipayan	University of Texas at Arlington	Macrocyclic glycopeptides bonded to superficially porous particles: The way forward for quick and efficient chiral separations
46	3	Ruijken	Marco	MsMetrix	MsCompare: An Untargeted GC/MS Metabolomics Platform for Quality Control, Precise Deconvolution and Data Analysis
47	3	Rutherford	Jennifer	University of Texas at Arlington	Applying Principles of High Speed Gas Chromatography to Reduce Analysis Times in the Speciation of Fats by GC Using EZGC Online Software
48	3	Santos	Ines	University of Texas at Arlington	Analysis of bacterial FAMES using gas chromatography – vacuum ultraviolet spectroscopy for bacterial identification and discrimination
14	1	Schenk	Jamie	University of Texas at Arlington	Resin-Coated Proppant Analysis for Formaldehyde Content by Headspace GC-MS, GC-VUV, and HPLC
124	7	Schug	Kevin	The University of Texas at Arlington	Comprehensive Two Dimensional Liquid Chromatography Method Development for Separation and Quantitation of Intact Proteins

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114	6	Shealor	Philip	University of Texas at Arlington	Gas Permeable Membrane Based Ionic Strength and pH Programmable Volatile Eluent Generators for Liquid Chromatography
15	1	Shiel	Jonelle	LECO	High Speed Analysis: Combining Fast GC with Time-of-Flight Mass Spectrometry for
60	4	Shirey	Robert	MilliporeSigma	Using Biocompatible Solid Phase Microextraction with Direct MS for Drugs of Abuse in Biological Matrices
61	4	Shirey	Robert	MilliporeSigma	Method Development in the Use of an Overcoated Fiber for the Solid Phase Microextraction (SPME) of Pesticide Residues from Baby Food
62	4	Shirey	Robert	MilliporeSigma	Using Biocompatible Solid Phase Microextraction with Direct MS for Drugs of Abuse in Biological Matrices
84	5	Simpson	Katherine	University of North Carolina	Chromatography on Hypercarb Particles Size Refined by Sedimentation
63	4	Sonker	Mukul	Brigham Young University	Integrated Microfluidic Platform for Immunoaffinity Extraction and Electrophoresis of Preterm Birth Biomarkers
16	1	Špánik	Ivan	Faculty of Chemical and Food	Characterization of VOC profile of varietal Gewürztraminer wines using GCxGC-TOF-
17	1	Špánik	Ivan	Faculty of Chemical and Food Technology, Slovak University of Technology in Bratislava	The utilization of enantiomer separations using multidimensional gas chromatography for food authentication purposes
18	1	Sugauara	Lucy	University of São Paulo State (UNESP)	PAH in mangrove region: method validation and application to samples from Southeast Brazil
19	1	Talebi	Mohsen	University of Texas At Arlington	Examination of the varied and changing ethanol content of commercial kombucha products
20	1	Talebi	Mohsen	University of Texas At Arlington	Evaluation of branched ionic liquids for the GC analysis of fatty acid methyl esters
115	6	Tasharofi	Sajad	University of Texas at Arlington	Effect of quadrupole detector in IC column imaging
85	5	Thacker	Jonathan	University of Texas at Arlington	Polyvinyl Alcohol-Coated Silica as a Stationary Phase for Hydrophilic Interaction Liquid Chromatography
86	5	Thakur	Nimisha	University of Texas at Arlington	Evaluation of metakaolin based geopolymers monoliths in liquid chromatography
116	6	Thurbide	Kevin	University of Calgary	A novel supercritical fluid chromatography method for chiral separations

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21	1	Varona - Torres	Emmanuel	University of Texas at Arlington	Surveying the Environmental Impact of Unconventional Drilling on Soil in the Eagle Ford Shale Region
117	6	Veillon	Lucas	Texas Tech University	Microscale Chemical Release of O-linked Oligosaccharides by RAIDR
87	5	Wahab	M. Farooq	University of Texas at Arlington	Some Interesting Observations on Slurry Packing of High Efficiency Core-Shell and
37	2	Wang	Anzi	Restek Corporation	GC-MS Analysis of Phthalates: Comparison of GC Stationary Phase Performance
118	6	Wang	Yadi	University of Texas at Arlington	Determination of D-amino acid levels in human cancer cells
125	7	Wang	Zhe	University of Oklahoma	High-pH Reversed-phase Liquid Chromatography Coupled with Capillary RPLC for Top-down Proteomics
88	5	Weatherly	Choyce	University of Texas at Arlington	Hydrolytically stable ultra-high efficiency core-shell HILIC columns
22	1	Weston	Courtney	University of Texas at Arlington	Human Sweat Analysis Using Solid Phase Microextraction and Gas -Chromatography-Mass Spectrometry
89	5	Wicker	Paige	University of Texas at Arlington	Evaluation of Critical Column Parameters for Use in Supercritical Fluid Chromatography by SFC-MS
90	5	Wimalasinghe	Rasangi	University of Texas at Arlington	Separation of peptides on superficially porous particle based macrocyclic glycopeptide stationary phases
126	7	Wong	Yong Foo	Monash University	Comprehensive two-dimensional liquid chromatography-mass spectrometry with shift gradient and "multi-segmented shift gradients". Designing an eluent strategy for the
23	1	Zini	Claudia	Universidade Federal do Rio Grande do Sul	The role of winemaking stages on toxic smoke volatile toxic compounds found in Merlot grapes evaluated by gas-chromatography with mass spectrometric detector (GC/MS)
24	1	Zini	Claudia	Universidade Federal do Rio Grande do Sul	HS-SPME-GC/MS as a tool to probe for biomarkers of differentiation between healthy leaves and galls from Myrcia splendens
25	1	Zini	Claudia	Universidade Federal do Rio Grande do Sul	Catalytic pyrolysis of sugar cane bagasse in a fixed bed reactor using metal chlorides and oxides as catalysts
26	1	Zini	Claudia	Universidade Federal do Rio Grande do Sul	Characterization of analytical fast pyrolysis vapors of medium-density fiberboard (MDF) using metal-modified HZSM-5 as catalyst

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27	1	Zini	Claudia	Universidade Federal do Rio Grande do Sul	Effect of storage time on the esters concentration levels in Syrah wine produced in submiddle São Francisco Valley
28	1	Zini	Claudia	Universidade Federal do Rio Grande do Sul	Evaluation of phenolic and volatile compounds in Syrah wine from Submiddle São Francisco Valley: impact of ripening stage
119	6	Zoccalli	Mariosimone	Chromaleont SrL	Fast On-line extraction and determination of targeted carotenoids from food samples