

GCxGC 2017 PRELIMINARY SCHEDULE

Monday, May 15th - Crystal Ballroom A

CRYSTAL BALLROOM A

Session 1 Scientific Award Lectures

8:30AM	8:40AM	10 min	Introduction & Welcoming Remarks		D.W. Armstrong/P. Marriott
8:40AM	8:50AM	10 min	Scientific Achievement Award Presentation		J. Dimandja
8:50AM	9:35AM	45 min	Award Lecture	GCxGC Lifetime Achievement Award Lecture: Scouring the Comprehensive Landscape: from GCxGC to LCxLC (and Back)	T. Gorecki
9:35AM	10:05AM	30 min	Plenary Lecture A: Instrument Development	Comprehensive 2D GC in the flavor and fragrance fields: simply an additional tool or a backbone of the new strategies?	C. Bicchi
10:05AM	10:35AM	30 min	Plenary Lecture B: Application Development	GCxGC as a Routine Analytical Method: Are we there yet?	E. Reiner

10:35AM 11:00AM 25 mins Coffee Break CRYSTAL B/C

Session 2 Instrument & Method Development I (Session Chairman L. Mondello)

11:00AM	11:30AM	30 min	Lecture 3 (Keynote)	Pressure Tuning in GCxGC - a Viable Strategy to Support Improved Separation Through Adjustable Apparent Phase Polarity	P. Marriott
11:30AM	11:50AM	20 min	Lecture 4	Tackling the extended list of fragrance allergens by flow-modulated GCxGC with parallel FID/TOF MS detection	H. McGregor
11:50AM	12:10PM	20 min	Lecture 5	High-Temperature Carbon Column for Comprehensive Two-dimensional Gas Chromatography	J. Liu
12:10PM	12:30PM	20 min	Lecture 6	Challenges and Opportunity: Translating advanced fingerprinting methods from thermal to differential flow modulated GCxGC	C. Cordero

12:30PM 2:00PM 90 min LECO Vendor Seminar & Lunch CRYSTAL A

2:00PM 3:30PM 90 min GCxGC Poster Sessions (All Posters) CRYSTAL B/C

3:30PM 4:00PM 30 min Coffee Break CRYSTAL B/C

Session 4 Health/Metabolomics I (Session Chairman)

4:00PM	4:30PM	30 min	Lecture 11 (Keynote)	Investigation of various data processing approaches for extracting disease-specific information from GCxGC-(HR)TOFMS breathprint data sets	J.F. Focant
4:30PM	4:50PM	20 min	Lecture 12	Tracking chronic lung disease progression through volatile biomarkers of <i>P. aeruginosa</i>	H. Bean
4:50PM	5:10PM	20 min	Lecture 13	GCxGC breathprint for detection of <i>Mycobacterium bovis</i> early lung infection in murine model	F.A. Franchina
5:10PM	5:30PM	20 min	Lecture 14	Identifying novel biomarkers for the rapid diagnosis of invasive aspergillosis using GCxGC-TOFMS	P-H Stefanuto

Monday, May 15th - Crystal Ballroom D

CRYSTAL BALLROOM D

8:30AM 10:35AM 125 min GCxGC Scientific Award Lectures (Crystal A) CRYSTAL A

10:35AM 11:00AM 25 min Coffee Break CRYSTAL B/C

Session 3 Chemometrics/Data Processing I (Session Chairman H-G Janssen)

11:00AM	11:30AM	30 min	Lecture 7 (Keynote)	Improvements in Detection and Identification of Analytes in Environmental Matrices Using GCxGC and Mass	F.L. Dorman
11:30AM	11:50AM	20 min	Lecture 8	Comparative Analysis in GCxGC/MS: Detection and Identification of Co-Eluting Unknowns	M.M.A. Rujiken
11:50AM	12:10PM	20 min	Lecture 9	Advanced Data Visualization: The Many Dimensions of Petroleomics using High-Resolution Gas Chromatography and Time-of-Flight Mass Spectrometry	C.N. Kelly
12:10PM	12:30PM	20 min	Lecture 10	The impact of normalization on orthogonality estimation	J. Jáčová

12:30PM 2:00PM 90 min Lunch

2:00PM 3:30PM 90 min GCxGC Poster Sessions (All Posters) CRYSTAL B/C

3:30PM 4:00PM 30 min Coffee Break CRYSTAL B/C

Session 5 Chemometrics/Data Processing II (Session Chairman R. Synovec)

4:00PM	4:30PM	30 min	Lecture 15 (Keynote)	Feature selection with a ranked variable list, where to start?	J.J. Harynuk
4:30PM	4:50PM	20 min	Lecture 16	Improvements to the transferability of thermodynamic-based predictions of GC retention time	S. Hou
4:50PM	5:10PM	20 min	Lecture 17	Comprehensive chemical fingerprinting for wine analysis	S. Reichenbach
5:10PM	5:30PM	20 min	Lecture 18	Understanding the Limitations and New Capabilities of Post-Column Reactor Chromatography with FID	A.J. Jones

GCxGC 2017 PRELIMINARY SCHEDULE

Tuesday, May 16th - Crystal Ballroom A

CRYSTAL BALLROOM A

8:30AM	9:45AM		Awards Session (Crystal D)			CRYSTAL D
9:45AM	10:30AM	45 min	Coffee Break			CRYSTAL B/C
10:30AM	12:00PM		Plenary Session I (Crystal D)			CRYSTAL D
12:00PM	1:30PM	90 min	SepSolve Analytical Vendor Seminar & Lunch			CRYSTAL A
Session 6 Instrument & Method Development II (Session Chairman F. Dorman)						
1:30PM	2:00PM	30 min	Lecture 19 (Keynote)	Reverse fill/flush flow modulation for the routine application of GCxGC to real-world analyses		M. Edwards
2:00PM	2:20PM	20 min	Lecture 20	Extending application range of a cryogen-free thermal modulator to environmental light VOCs		X. Guan
2:20PM	2:40PM	20 min	Lecture 21	The effect of injection time on peak shape using the reversed-flow differential flow modulator for comprehensive two dimensional chromatography		M. Giardina
2:40PM	3:00PM	20 min	Lecture 22	A Comparison of Reversed-Flow GCxGC Modulators: Five Years after First Publication		J.F.Griffith
3:00PM	3:30PM	30 min	Coffee Break			CRYSTAL B/C
Session7 Phillips Award/Forensic & Environmental Applications (Session Chair C. Cordero)						
3:30PM	3:35PM	5 min	John Phillips Award Presentation			
3:35PM	4:05PM	30 min	Lecture 23: Award Lecture	GCxGC applications: from the petroleum industry to forensic science		K. Nizio
4:05PM	4:30PM	25 min	Lecture 24	Determination of biomarkers in petrochemical samples by using FM-GCxGC-QqQ MS		M. Maimone
4:30PM	4:50PM	20 mins	Lecture 25	Application of comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry (GCxGC/TOFMS) associated with sensory and olfactometry techniques towards a better understanding of wine aroma		C.A. Zini
4:50PM	5:10PM	20 mins	Lecture 26	A forensic case study of cadaveric odor analysis using GCxGC-HRTOFMS		K.A. Perrault
5:10PM	5:30PM	20 mins	Lecture 27	GCxGC Analysis of Organosilanes and Low Molecular Weight Siloxane Oligomers and Correlation of Separation Data with Physical and Structural Properties		H.M. Brothers

Tuesday, May 16th - Crystal Ballroom D

CRYSTAL BALLROOM D

Awards Session						
8:30AM	8:45AM	15 min	ISCC & General Welcome			D.W. Armstrong
8:45AM	9:00AM	15 min	Golay Award to L. Mondello			A. Tipler
9:00AM	9:45AM	45 min	Golay Award Lecture	From two- to five-dimensional separation techniques: a personal journey towards the ultimacy of chromatography and hyphenated detection		L. Mondello
9:45AM	10:30AM	45 min	Coffee Break			CRYSTAL B/C
Plenary Session 1						
10:30AM	11:30AM	60 min	Plenary Lecture I	Using Mass Spectrometry for Chemical Analysis, Drop by Drop		R.N. Zare
11:30AM	12:00PM	30 min	ISCC & GCxGC Joint Session	Understanding and Extending the Effective Peak Capacity in GC – TOFMS		R.E. Synovec
12:00PM	1:30PM	90 min	Shimadzu Vendor Seminar & Lunch			CRYSTAL D
1:30PM	3:10PM	90 min	ISCC Session 1			CRYSTAL D
3:00PM	3:40PM	40 min	Coffee Break			CRYSTAL B/C
3:40PM	5:35PM	115 min	ISCC Session 2			CRYSTAL D

GCxGC 2017 PRELIMINARY SCHEDULE

Wednesday, May 17th - Crystal Ballroom A

CRYSTAL BALLROOM A

8:30AM	9:30AM	60 min	Plenary Lecture II: P. Sandra		CRYSTAL D
9:30AM	10:10AM	40 min	ISCC & GCxGC Joint Session: M.L. Lee (Keynote)		CRYSTAL B/C
10:10AM	10:40AM	30 min	Coffee Break		CRYSTAL B/C
Session 8 Health/Metabolomics II (Session Chairman: J-F Focant)					
10:40AM	11:10AM	30 min	Lecture 28 (Keynote)	Biomarker discovery using GCxGC: infectious disease applications	J.E. Hill
11:10AM	11:30AM	20 min	Lecture 29	Investigation of funerary rites in the Qatna Royal Tomb using non-destructive profiling of organic residues by GCxGC-HRTOFMS	L.M. Dubois
11:30AM	11:50AM	20 min	Lecture 30	Profiling volatile organic compounds released from canola after herbivory by diamondbackmoth, Plutella xylostella	A.P. de la Mata
11:50AM	12:10PM	20 min	Lecture 10	Comprehensive Two-Dimensional Gas Chromatography – Time-of-Flight Mass Spectrometry for Exposomics Profiling	S.L. Nam
12:10PM	1:40PM	90 min	VUV Vendor Seminar & Lunch		
1:40PM	3:10PM	90 min	ISCC Poster Session (Odd Posters)		CRYSTAL B/C
3:10PM	3:40PM	30 min	Coffee Break		CRYSTAL B/C
Session 9 Environmental/Forensics					
3:40PM	4:10PM	30 min	Lecture 32 (Keynote)	Analysis of Hydrocarbon Feedstocks using GC and GC x GC with VUV Detection	W.L. Winniford
4:10PM	4:30PM	20 min	Lecture 33	Applications of Thermal Desorption coupled to GCxGC-TOFMS for Hydrocarbon Fingerprinting of Unconventionally Exploited Shale Rocks	P. Piotrowski
4:30PM	4:50PM	20 min	Lecture 34	Isomeric species detection of base oil hydrocarbons by photo ionization GCxGC-HRTOF-MS	A. Giri
4:50PM	5:10PM	20 min	Lecture 35	The application of high temperature GCxGC with nominal and high-resolution TOFMS for the investigation of light crude oil and high boilers	T. Groeger
5:10PM	5:30PM	20 min	Lecture 36	Characterization of Automotive Materials by Various Gas Chromatography-Mass Spectrometry Methods	S.M. Reidy
5:30PM	5:45PM	15 min	Poster Awards & Closing		J. Dimandja/P. Marriott

Wednesday, May 17th - Texas Meeting Room A

TEXAS MEETING ROOM A

Session 11 Young Investigators (Session Chairman)					
10:40AM	9:00AM	20 min	Lecture 37	Frequency transformation and experimental approaches for improved data presentation and analysis in comprehensive 2D gas chromatography hyphenated with quadrupole time-of-flight mass spectrometry	C. Kulsing
9:00AM	9:20AM	20 min	Lecture 38	Evaluating the sensitivity of modern GC and GCxGC instrumentation for the identification of ignitable liquids in fire debris	R.J. Abel
9:20AM	9:40AM	20 min	Lecture 39	Evaluation of Three-Dimensional Gas Chromatography with Accurate Mass Spectrometry for High-Resolution Characterization of Multicomponent Samples	D.D. Yan
9:40AM	10:00AM	20 min	Lecture 40	Improving Column Lifetime for Multi-Residue Pesticide Methods with Heavy Matrix Through Guard Chip Technology	R.A. Veeneman

Wednesday, May 17th - Crystal Ballroom D

CRYSTAL BALLROOM D

Plenary Session II					
8:40AM	9:40AM	60 min	Plenary Lecture II	Characterizing pharmaceuticals: new opportunities using on-line two-dimensional liquid chromatography	P. Sandra
9:40AM	10:10AM	30 min	ISCC & GCxGC Joint Session	Instrumentation for Compact Microchip Thermal Gradient GC	M.L. Lee
10:10AM	10:40AM	30 min	Coffee Break		CRYSTAL B/C
10:40AM	12:10PM	90 min	ISCC Session 3: Capillary Electrophoresis		CRYSTAL D
12:10PM	1:40PM	90 min	Millipore Sigma Vendor Seminar & Lunch		CRYSTAL D
1:40PM	3:10PM	90 min	ISCC Poster Session (Even Posters)		CRYSTAL B/C
3:10PM	3:40PM	30 min	Coffee Break		CRYSTAL B/C
3:40PM	5:10PM	90 min	Session 4: Capillary Electrophoresis		CRYSTAL A

Thursday, May 18th - Crystal Ballroom A

HILTON BALLROOMS

8:30AM	10:20AM	90 min	ISCC Session 5: Sample Prep		CRYSTAL A
10:20AM	10:50AM	30 min	Coffee Break		CRYSTAL B/C

Session 10: Young Investigators (Session Chairman H. Bean)						TEXAS BALLROOM
11:00AM	11:20AM	20 min	Lecture 36			
11:20AM	11:40AM	20 min	Lecture 37			
11:40AM	12:00PM	20 min	Lecture 38			

