PRE-CONFERENCE WORKSHOPS

Two workshops will be held before the start of the scientific program of the conference. The workshops take place in the Freihaus building, 2^{nd} floor, yellow area, Lecture rooms HS 2 and HS 3 from 9.00-12.30 h. They are free to attend for student participants of the ISSS 2017 (depending on availability of places; registration required) and can be booked fo all other participants.

WORKSHOP 1: Sample preparation for the analysis of low-molecular-weight analytes prior to chromatographic analysis

Wolfgang Buchberger, Johannes-Kepler University, Analytical Chemistry, Linz (Austria)

Appropriate sample preparations steps are a key to successful quantitative analysis in real samples. The focus of these steps may include

- sample clean-up in order to simplify the matrix and to remove interferences
- Improving the detection limits by proper enrichment steps
- Improving the reliability of the quantitation
- making the sample compatible with the chromatographic injection and separation system

Nowadays, various techniques are in use for routine sample preparation, and various kits are commercially available for special applications. However, there is still ongoing progress with respect to enhanced efficiency and broader applicability. Within this workshop the state-of-the-art is presented and modern trends are highlighted for low-and medium-molecular-weight analytes. Approaches that may be specific for high-molecular-weight analytes are not included.

For liquid samples the following strategies will be discussed:

- liquid-liquid extraction, including variants like liquid phase microextraction (LPME), dispersive liquid-liquid microextraction (DLLME), membrane-assisted liquid-liquid extraction, supported liquid extraction, dialysis
- liquid-solid extraction, such as solid-phase extraction (SPE), dispersive solid phase extraction, solid-phase microextraction (SPME), stir bar sorptive extraction
- thermal extraction (head-space analysis)
- precipitation procedures for sample clean-up

Approaches for solid samples will cover:

- solvent extraction including ultrasound-, microwave-, or pressure-assisted extraction
- supercritical fluid extraction
- thermal extraction (thermodesorption techniques)

Special attention will be paid to a critical evaluation of the performance of each technique and to the proper combination of different sample pretreatment step in order to be able to establish robust analytical methods for complex samples from different application fields. In addition, examples from the literature will be used to demonstrate the advantages/disadvantages of different approaches.

WORKSHOP 2: COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY MASS SPECTROMETRY (GC×GC-MS): FUNDAMENTALS AND STATE-OF-THE-ART APPLICATIONS

Peter Q. Tranchida, University of Messina, Dipartimento di Scienze Chimiche, Biologiche, Farmaceutiche ed Ambientali, Messina (Italy)

9.00 - 9.20: Shortcomings of GC-MS

9.20 - 10.20: GC×GC-MS: The fundamentals

10.20 - 11.00: Cryogenic and flow modulation processes

11.00 - 11.20: Coffee break

11.20 - 12.00: GC×GC-MS: State-of-the-art applications

12.00: Discussion

Prof. Dr. Peter Q. Tranchida currently occupies a position as Associate Professor in Food Chemistry in the Department of Chemistry, Biological, Pharmaceutical and Environmental Sciences (University of Messina), and he holds the course "Food and Dietary Product Chemistry" (Magister Degree in Pharmacy).

His research activities are focused mainly on the study of complex food samples (even though not exclusively) by using advanced chromatography processes, such as fast and very-fast gas chromatographic systems. Furthermore, he has been devoted to the evaluation of ultimate generation stationary phases (i.e., ionic liquids), and, in particular, in the development and application of classical multidimensional and comprehensive chromatography systems. Specifically, he has performed a great deal of research work in the field of classical multidimensional gas chromatography, multidimensional liquid-gas chromatography, and comprehensive 2D gas chromatography-mass spectrometry (GC×GC-MS).

In the field GC×GC-MS, he has performed applications, method optimization studies, and introduced a new form of flow modulation. In 2012, at the "9th GC×GC symposium", held in Riva del Garda, he was awarded the "John Phillips Award", for his outstanding achievements in the field of comprehensive two-dimensional gas chromatography. In terms of mass spectrometry systems, he currently uses rapid-scanning single quadrupole, triple quadrupole, as well as low- and high-resolution time-of-flight devices.

Prof. Tranchida has co-authored over 110 scientific contributions, and given approx. 270 oral/poster presentations in national and international meetings.

Scientific Program

		Tuesday, September 19
		Opening Ceremony
14:00		Welcome Addresses by
to 14:30		Johannes Fröhlich (Vice Rector for Research, TU Wien) Boguslaw Buszewski (President CEGSS, Central European Group for Separation Sciences) Wolfgang Buchberger (President ASAC, Austrian Society for Analytical Chemistry) Wolfgang Lindner (Honorary Chairman ISSS 2017)
		Presentation of CEGSS Award of Recognition and CaSSS and CEGSS Travel Grants
		Opening of the Conference by Erwin Rosenberg (ISSS 2017 Conference Chairman)
		Plenary Opening Session 1 Chairs: B. Buszewski, W. Lindner, E. Rosenberg
14:30	PL-1	
to 15:10		EFFECT OF ORDER AND STRUCTURE ON THE PERFORMANCE OF MONOLITHIC CHROMATOGRAPHIC COLUMNS
15:10	PL-2	Frantisek Svec
to 15:50		METAL-ORGANIC FRAMEWORKS: A NEW APPROACH TO TUNING PERFORMANCE OF ORGANIC POLYMER-BASED MONOLITHIC COLUMNS
		Plenary Opening Session 2
		Chairs: W. Buchberger, G. Desmet, F. Svec
16:30 to 16:55	KL-1	Deirdre Cabooter ASSESSMENT OF INTRA-PARTICLE DIFFUSION IN HYDROPHILIC INTERACTION LIQUID CHROMATOGRAPHY AND REVERSED-PHASE LIQUID CHROMATOGRAPHY UNDER CONDITIONS OF IDENTICAL PACKING STRUCTURE
16:55 to 17:20	KL-2	Wolfgang Lindner OPTIONS AND CHALLENGES OF STEREOSELECTIVE RESOLUTIONS OF FREE AND N-TAGGED AMINO ACIDS BY LC MODES
17:20 to 18:00	PL-3	Pavel Jandera THE ROLE OF THE MOBILE PHASE IN UNI-DIMENSIONAL AND TWO-DIMENSIONAL LIQUID CHROMATOGRAPHY - THE BASIC PRINCIPLES RE-VISITED
18:00 to 18:40	PL-4	Rudolf Krska THE IMPORTANCE OF CHROMATOGRAPHIC AND MASS SPECTROMETRIC METHODS FOR THE ASSESSMENT OF EXPOSURE TO CHEMICAL CONTAMINANTS IN FOODS

HS 1		Wednesday, September 20
		Session 1: Electromigration techniques Chair: C. Klampfl
09:00 to 09:25	KL-3	Günter Allmaier NANO ELECTROSPRAY/CHARGE REDUCTION (BY SOFT-X-RAY RADIATION) GAS-PHASE ELECTROPHORESIS WITHOUT AND WITH HYPHENATION TO SIZE EXCLUSION CHROMATOGRAPHY FOR PROTEIN CHARACTERIZATION
09:25 to 09:40	OP-1	Brett Paull ON-FIBRE ELECTROPHORESIS AND ISOTACHOPHORESIS OF SMALL MOLECULES, BIOMOLECULES AND WHOLE CELLS
09:40 to 09:55	OP-2	Hanno Stutz APPLICATION AND IN-CAPILLARY CHARACTERIZATION OF SMIL COATINGS IN CAPILLARY ELECTROPHORESIS SEPARATION OF PROTEINS
09:55 to 10:10	OP-3	Jana Krenkova DEVELOPMENT OF MULTI-POSITIVELY CHARGED LABELS FOR HIGH SENSITIVE CE-MS ANALYSIS OF OLIGOSACCHARIDES
10:10 to 10:25	OP-4	Kanji Miyabe KINETIC STUDY OF SOLUTE PERMEATION AT INTERFACIAL BOUNDARY OF SURFATANT MICELLES BY MOMENT ANALYSIS – CHROMATOGRAPHIC CAPILLARY ELECTROPHORESIS
		Session 2: LC hyphenation and Microfluidics Chair: P. Schoenmakers
11:00 to 11:25	KL-4	Gertrud Morlock FAST CHARACTERIZATION OF SAMPLES BY HYPHENATED HPTLC
11:25 to 11:40	OP-5	Markus Himmelsbach DIRECT IONIZATION MS USING TLC PLATE TRIANGLES AS SUBSTRATE
11:40 to 11:55	OP-6	Jens Trafkowski TRENDS AND PITFALLS IN 2D-LC – HOW EMERGING TECHNIQUES ASSIST USERS IN MULTIDIMENSIONAL CHROMATOGRAPHY

Wedne	esday, September 20 HS 5
	Session 3: Industrial Analysis
	Chair: K. Schug
09:00	KL-6 Tomislav Bolanča
to	CHROMATOGRAPHY AS A BASIS FOR THE SPIN OFF COMPANY DEALING WITH ADVANCED WATER TREATMENT TECHNOLOGIES
09:25	DEALING WITH ADVANCED WATER TREATMENT TECHNOLOGIES
09:25	OP-15 Marco Wunsch MULTIPLEXING GAS CHROMATOGRAPHY FOR PROCESS
to 09:40	ANALYTICS
03110	
09:40	OP-16 Alexander Fialkov
to	FAST GC-MS ANALYSIS IN UNDER 60 SECONDS
09:55	
09:55	OP-17 Marcelina Pyschik
to	INVESTIGATIONS OF IONIC LIQUIDS AND ELECTROLYTES FROM LITHIUM ION BATTERIES BY CAPILLARY
10:10	ELECTROPHORESIS METHODS
10:10	OP-18 Britta Vortmann-Westhoven TRANSITION METAL ANALYSIS IN LITHIUM ION BATTERY (LIB)
to 10:25	ELECTROLYTES BY ION CHROMATOGRAPHY (IC) WITH POST-
	COLUMN REACTION (PCR) AND UV/VIS-DETECTION VIA SELF- PREPARED CHELATION-BASED COLUMNS
	Session 4: Sample preparation and introduction for GC
	Chair: I. Vovk
11:00	KL-7 Virginia Coman
to	CHROMATOGRAPHIC DETERMINATION OF SOME NEW TEXTILE DYES WITH TOXIC EFFECTS ON THE ENVIRONMENT
11:25	DIES MILLIONIC FLIFCLS ON THE FINALIZOMATICAL
	OP-19 Valentina Pintus Py-GC/MS FOR STUDYING PHOTO-DEGRADATION OF
to 11:40	SYNTHETIC ORGANIC MATERIALS IN THE FIELD OF MODERN
	AND CONTEMPORARY ART
11:40	OP-20 Peter Kusch
to	APPLICATION OF GAS CHROMATOGRAPHY/MASS
11:55	SPECTROMETRY AND PYROLYSIS - GAS CHROMATOGRAPHY/MASS SPECTROMETRY IN FAILURE
	ANALYSIS IN THE AUTOMOTIVE INDUSTRY

HS 1		Wednesday, September 20
11:55	OP-7	Sebastiaan Eeltink
to		DEVELOPMENT AND PROTOTYPING OF A MICROFLUIDIC MODULATOR CHIP FOR SAMPLE TRANSFER IN COMPREHENSIVE
12:10		TWO-DIMENSIONAL LIQUID CHROMATOGRAPHY
12:10	OP-8	Josef Johann Heiland
to 12:25		HIGH-TEMPERTURE HPLC/MS USING GLASS MICROCHIPS WITH SUB-2µM AND CORE/SHELL-TECHNOLOGY
12.23		
		Session 5: Stationary Phases Chair: F. Svec
16:00	KL-5	Dusan Berek
to 16:25		RETENTION MECHANISMS IN LIQUID CHROMATOGRAPHY OF NON-CHARGED SYNTHETIC POLYMERS
10.25		
16:25	OP-9	Reinhard Boysen
to		SYNTHESIS AND APPLICATION OF STIMULI-RESPONSIVE SEPARATION MATERIALS
16:40		
16:40	OP-10	Adam Voelkel
to		APPLICATION OF SOLUBILITY PARAMETERS IN CHROMATOGRAPHY AND CHARACTERIZATION OF
16:55		MESOPOROUS MATERIALS
16:55	OP-11	Jeannie Horak
to		POLYMERIC POLYTHIOL TERT-BUTYLCARBAMOYL-QUININE COATED CHIRAL STATIONARY PHASES FOR REDUCED LIGAND
17:10		BLEEDING IN TRIPLE-TOF-ESI-MS ANALYSIS.
17:10	OP-12	Frederic Lynen
to		POSSIBILITIES AND LIMITATIONS OF ALTERNATIVE POLYMERIZED IONIC LIQUID PHASES AS POLAR PHASES IN
17:25		HIGH TEMPERATURE GAS CHROMATOGRAPHY
17:25	OP-13	Laura Provoost
to		EXTENDING INERTNESS, THERMAL STABILITY AND COLUMN LIFETIME OF WAX GC COLUMNS
17:40		LILETIME OF WAX GC COLUMNS
17:40	OP-14	Yolanda Moliner-Martinez
to		PEPTIDE METAL-ORGANIC FRAMEWORKS AS CHIRAL SOLID-PHASE EXTRACTION SORBENTS FOR ENANTIOSELECTIVE
17:55		SEPARATION OF CHIRAL DRUGS

Wedn	esday '	September 20 HS 5
		•
	OP-21	Michael Samide
to		ANALYSIS OF POLLUTANTS EMITTED FROM RIGID PVC USED IN MUSEUMS
12:10		110320113
12:10	OP-22	Dietmar Hein
to		DEVELOPMENT OF A METHOD FOR THE SIMULTANEOUS
12:25		MEASUREMENT OF THE BOAR TAINTS ANDROSTENONE AND
		SKATOLE IN PIG FAT
	Ses	ssion 6: Environmental analysis and Ion Mobility
		Chair: U. Karst
16:00	KL-8	Modest Gertsiuk
to		DETERMINATION AND MONITORING OF THE CONTENT OF
16:25		POLLUTANTS IN THE RIVER TISZA ON UKRAINIAN TERRITORY
16:25	OP-23	Ewa Dabek-Ziotorzynska
to	00	APPLICATION OF ULTRAHIGH-PERFORMANCE LIQUID
16:40		CHROMATOGRAPHY/TANDEM MASS SPECTROMETRY
		(UHPLC/MS-MS) FOR THE CHARACTERIZATION OF ORGANIC AEROSOL
		ALROSOL
16:40	OP-24	Milan Hutta
to		CHARACTERIZATION AND ANALYSIS OF OPERATIONALLY DEFINED HUMIC SUBSTANCES BY VARIOUS HIGH-
16:55		PERFORMANCE LIQUID CHROMATOGRAPHY METHODS
		COMBINED WITH TANDEM DAD AND FLD MULTIDETECTION
16:55	OP-25	Magdalena Kistler
to	0. 25	INFLUENCE OF SOLVENT AND SAMPLE MATRIX ON THE
17:10		EXTRACTION OF BENZO(a)PYRENE FROM AMBIENT
		PARTICULATE MATTER SAMPLES
17:10	OP-26	Ansgar T. Kirk
to		RECENT ADVANCES IN ION MOBILITY SPECTROMETRY
17:25		
17:25	OP-27	Eric van Beelen
to		ION MOBILITY - ORTHOGONAL DETECTION FOR MORE
17:40		COMPLETE CHARACTERIZATION
17:40	OP-28	Victor U. Weiss
to		HYPHENATION OF LIQUID AND GAS-PHASE ELECTROPHORESIS,
17:55		A NEW ON-LINE TOOL FOR BIONANOPARTICLE
		CHARACTERIZATION

HS 1		Thursday, September 21
	Session	7: Environmental contaminants and illicit drugs Chair: T. Bolanca
09:00 to 09:25	KL-9	Uwe Karst SPEEDING UP SPECIATION ANALYSIS: STRATEGIES AND APPLICATIONS
09:25 to 09:40	OP-29	Ellen Ashmore CHEMICAL ANALYSIS OF WASTEWATER SAMPLES TO MONITOR THE USE OF ILLICIT DRUGS
09:40 to 09:55	OP-30	Günter Gmeiner MICROBIAL ACTIVITY AS A SOURCE OF PSEUDO-POSITIVE RESULTS IN DOPING ANALYSIS
09:55 to 10:10	OP-31	Petra Gerhards SOLID PHASE EXTRACTION FOR DRUGS OF ABUSE FROM URINE AND BLOOD
10:10 to 10:25	OP-32	Tijana Vasiljevic SINGLE-USE SOLID PHASE MICROEXTRACTION-TRANSMISSION MODE DEVICES FOR SCREENING AND QUANTITATION OF DRUGS OF ABUSE IN URINE AND ORAL FLUID VIA DIRECT ANALYSIS IN REAL TIME-TANDEM MASS SPECTROMETRY
	Ses	sion 8: Volatile compound analysis and profiling Chair: G. Morlock
11:00 to 11:25	KL-10	Irena Vovk HIGH-PERFORMANCE THIN-LAYER CHROMATOGRAPHY AND MASS SPECTROMETRY IN PHYTONUTRIENT ANALYSIS
11:25 to 11:40	OP-33	Didier Thiébaut TOWARDS THE IDENTIFICATION OF INDIVIDUALS BY ODORPRINTING: SAMPLING APPROACHES, COMPREHENSIVE 2DGC-MS AND CHEMOMETRICS
11:40 to	OP-34	Jorge Pereira ESTABLISHMENT OF THE URINARY VOLATILE PROFILE OF LUNG

Thurse	day, September 21 HS 5
	Session 9: Metabolomics and biomarker analysis Chair: 1. Klebovich
09:00 to 09:25	KL-12 Danilo Corradini POTENTIAL AND PRACTICAL USE OF CHROMATOGRAPHIC AND CAPILLARY ELCTRODRIVEN SEPARATION TECHNIQUES FOR THE STUDY OF PLANT SECONDARY METABOLITES
09:25 to 09:40	OP-43 Arye Tishbee EXTENSIVE SINGLE SAMPLE METABOLOME COVERAGE THROUGH MULTI-ANALYTICAL PLATFORMS WITH A UNIQUE METABOLITE LIBRARY FOR MORE RELIABLE RESEARCH
09:40 to 09:55	OP-44 Christina Troyer ADVANCED GC-MS BASED ANALYSIS OF STEREOISOMERS IN QUANTITATIVE METABOLOMICS
09:55 to 10:10	OP-45 Pavol Ďurč SIMPLE AND RAPID PORTABLE DEVICE FOR PREPARATION OF BLOOD PLASMA
10:10 to 10:25	OP-46 Si-Hung Le COMPARISON OF FULLY-WETTABLE RPLC STATIONARY PHASES FOR LC-MS-BASED CELLULAR METABOLOMICS
	Session 10: Food flavors and contaminants Chair: D. Corradini
11:00 to 11:25	KL-13 Andras Guttman ANALYTICAL GLYCOMICS
11:25 to 11:40	OP-47 Christoph Czerwenka PLASTICISER CONTAMINATION OF FATTY FOODS: ARE WE SEEING THE WHOLE PICTURE?
11:40 to 11:55	OP-48 Chrysoula Kanakaki INNOVATIVE SCREENING METHODS FOR THE DETERMINATION OF NON-INTENTIONALLY ADDED SUBSTANCES IN FOOD CONTACT MATERIALS

HS 1		Thursday, September 21
11:55	OP-35	Margita Utczás
to		QUALITATIVE STUDY OF AROMA COMPOUNDS OF WINE TREATED WITH DIFFERENT ADDITIVES
12:10		TREATED WITH DIFFERENT ADDITIVES
12:10	OP-36	Christian Klampfl
to		INTERACTION BETWEEN PLANTS AND PHARMACEUTICALS: ANALYSIS OF METABOLITES FROM NON-STEROIDAL ANTI-
12:25		INFLAMMATORY DRUGS IN CRESS (LEPIDUM SATIVUM)
		Session 11: Comprehensive GC
		Chair: D. Thiébaut
16:00	KL-11	Imre Klebovich
to		BIOANALYTICAL METHODS FOR DETERMINATION OF DRUG - ALCOHOL, -CAFFEINE AND -SMOKING INTERACTIONS PROVED
16:25		BY DIFFERENT CLINICAL TRIALS
16:25	OP-37	Peter Tranchida
to		FAST CRYOGENIC COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY-MASS SPECTROMETRY BY USING A 10 M
16:40		MICRO-BORE ¹ D + ² D COLUMN: CONCEPT, METHOD
		OPTIMIZATION AND APPLICATIONS
16:40	OP-38	Laura McGregor
to		REVERSE FILL/FLUSH FLOW MODULATION FOR THE ROUTINE APPLICATION OF GC×GC TO REAL-WORLD ANALYSES
16:55		
16:55	OP-39	Miras Derbissalin
to 17:10		DEVELOPMENT OF INEXPENSIVE MODULATOR FOR GCxGC-MS
17.10		
17:10	OP-40	Silvia Carlin COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY
to 17:25		COUPLED WITH TOF-MS, A POWERFUL TOOL FOR THE
17.23		ANALYSIS OF WINE AND OLIVE OIL VOLATILE PROFILE
	OP-41	Anupam Giri
to 17:40		PHOTO-IONIZATION GC×GC-HRTOF/MS FOR AVIATION FUEL CHARACTERIZATION
17.40		
17:40	OP-42	Sebastiano Panto
to 17:55		A WEB-BASED GC×GC METHOD DEVELOPMENT TOOL
17.33		

I I IUI S	day, September 21 HS 5
11:55	OP-49 José A. Figueira
to	A POWERFUL STRATEGY, BASED ON A NEW ANALYTICAL
12:10	APPROACH NTME/GC-MS, FOR ESTABLISHMENT THE
	VOLATOMIC PROFILE OF LEMON (CITRUS LIMONUM)
12:10	OP-50 Jaap de Zeeuw
to	USING FREE, HIGH-PERFORMANCE, COMPUTER MODELING
12:25	SOFTWARE TO SIMULATE GAS CHROMATOGRAPHIC
	SEPARATIONS
	Session 12: Sample preparation
	Chair: M. Lämmerhofer
16:00	KL-14 Andrzej Wasik
to	CHROMATOGRAPHIC AND SPECTROMETRIC INVESTIGATION OF
16:25	THE E-CIGARETTE REFILL LIQUIDS AND AEROSOLS
16:25	OP-51 Hermann Mascher
to	DETERMINATION OF ESTROGENES IN PLASMA WITH HPLC-
16:40	MS/MS WITH ION-MOBILITY WITHOUT DERIVATISATION IN
	THE LOWEST pg/mL RANGE
16:40	OP-52 Monika Pietrzyńska
to	POLYMER-CERAMIC MONOLITHIC IN-NEEDLE EXTRACTION
16:55	DEVICE APPLIED FOR EXTRACTION OF POTENTIAL
	ANTIRESORPTIVE DRUGS
16:55	OP-53 Jiří Urban
to	APPLICATION OF POLYMER MONOLITHS IN THE
17:10	DETERMINATION OF DOPAMINE IN URINE
17:10	OP-54 Massimo Del Bubba
to	DEVELOPMENT AND APPLICATION OF AN AUTOMATIC ON-LINE
17:25	SPE-LC-MS/MS METHOD FOR THE ANALYSIS OF WIDE-RANGE
17.25	POLARITY PHARMACEUTICAL COMPOUNDS IN AQUEOUS
	MATRICES
_	OP-55 Karima Baudin
to	QUANTITATION OF PHARMACEUTICAL AND PERSONAL CARE PRODUCTS IN WATER USING A LAMINAR FLOW TANDEM MASS
17:40	SPECTROMETER SPECTROMETER
17:40	OP-56 Michal Kohout
to	ENANTIOSEPARATION OF NEW SYNTHETIC DRUGS AND THEIR
17:55	METABOLITES ON CHIRAL ION-EXCHANGE STATIONARY PHASES USING SUPERCRITICAL FLUID CHROMATOGRAPHY

		Friday, September 2.
		Plenary Closing Session Chair: R. Krska, L. Mondell
09:00 to 09:40	PL-5	Bogusław Buszewski A NEW APPROACH TO MICROBIOLOGY AND BIOANALYTICS OF ZEARALENONE AND ITS METABOLITES
09:40 to 10:20	PL-6	Kevin A. Schug GAS CHROMATOGRAPHY – VACUUM ULTRAVIOLET SPECTROSCOPY: EXPANDING AND SIMPLIFYING THE APPLICATION BASE FOR QUALITATIVE AND QUANTITATIVE ANALYSIS
10:20 to 10:45	KL-15	Michael Lämmerhofer LIQUID CHROMATOGRAPHY-MASS SPECTROMETRY BASED LIPID PROFILING BY DATA-INDEPENDENT ACQUISITION FOR CLINICAL ANALYSIS
10:45 to 11:10	KL-16	Mirek Macka PORTABLE LIQUID CHROMATOGRAPHY
		Plenary Closing Session Chair: P. Jandera, D. Bere
11:40 to 12:20	PL-7	Luigi Mondello ONLINE SUBCRITICAL SOLVENT EXTRACTION AND CHROMATOGRAPHY FOR CAROTENOID FINGEPRINTING IN FOODSTUFFS USING MASS SPECTROMETRY DETECTION
12:20 to 13:00	PL-8	Peter Schoenmakers MAKING TWO-DIMENSIONAL LIQUID CHROMATOGRAPHY WO
		Closing Ceremon
13:00		Presentation of Best Poster Awards sponsored by
to		Analytical and Bioanalytical Chemistry,Chromatographia and byCEGSS
13:30		
		Boguslaw Buszewski (President CEGSS, Central Europea Group for Separation Sciences)
		Boguslaw Buszewski (President CEGSS, Central Europea Group for Separation Sciences) Presentation of Best Young Researcher Oral Presentation sponsored by Separations
		Group for Separation Sciences) Presentation of Best Young Researcher Oral
		Group for Separation Sciences) Presentation of Best Young Researcher Oral Presentation sponsored by Separations Announcement of ISSS 2018 by

Poster Flash Presentations

HS 1		Wednesday, September 20
		Poster Flash Presentation Session 1 Chair: V. Coman
	PO-143	Maria Concetta Bruzzoniti MESOPOROUS SUBSTRATES WITH ION-EXCHANGE FUNCTIONALITIES FOR THE REMOVAL OF SUGAR MATRICES
14:05	PO-9	Blanka Fodor QUANTITATIVE ALKYLSILYL SPECIATION AND DIRECT SAMPLE PREPARATION OF PLANT CANNABINOIDS PRIOR TO THEIR ANALYSIS BY GC-MS
14:10	PO-149	Ravindra Hegade CHIRAL STATIONARY PHASE OPTIMIZED SELECTIVITY SUPERCRITICAL FLUID CHROMATOGRAPHY (SOS-SFC): A NOVEL APPROACH FOR OPTIMIZING THE SEPARATION OF ENANTIOMERS
14:15	PO-93	Korina Manolidi PRESENCE OF 2,4-DIAMINOBUTYRIC ACID (DAB) IN SPIRULINA FOOD SUPPLEMENTS
14:20	PO-19	Katerina Plachka DETERMINATION OF LOVASTATIN IN FOOD SAMPLES USING UHPLCMS/MS METHOD AND AUTOMATED MOLECULARLY IMPRINTED SOLID PHASE EXTRACTION
14:25	PO-113	Alexis Roodt A NEW METHOD FOR THE COLLECTION AND COMPARISON OF HUMAN SKIN VOLATILE CHEMICALS
HS 1		Thursday, September 21
		Poster Flash Presentation Session 2 Chair: D. Carbooter
14:00	PO-164	José Luís Dores-Sousa SELECTIVITY AND MIXED-MODE RETENTION MECHANISM OF SMALLMOLECULES IN LIQUID CHROMATOGRAPHY USING A REVERSED-PHASE / WEAK ANION-EXCHANGE STATIONARY PHASE
14:25	PO-6	Victoria Dorrer HANGING THREADS OF ARACHNOCAMPA LUMINOSA - CHALLENGES OF SAMPLE PREPARATION AND SEPARATION FOR BIOADHESIVES
14:05	PO-114	Jörg Schlotterbeck
		CHALLENGES IN SELECTIVITY OF NON-TARGETED AND DATAINDEPENDENT LIPIDOMIC PROFLING
14:10	PO-154	
	PO-154 PO-38	DATAINDEPENDENT LIPIDOMIC PROFLING Mikhail Shashkov NEW 6-METHYLQUINOLINE IONIC LIQUIDS AS STATIONARY LIQUID PHASES FOR CAPILLARY GAS

Poster Presentations

Sample preparation

PO-1 Vasil Andruch

CLOUD-POINT EXTRACTION-SPECTROPHOTOMETRIC DETERMINATION OF VANADIUM(V) WITH 1-(2-THIAZOLYLAZO)-2-NAPHTHOL AND HYDROGEN PEROXIDE

PO-2 Ramón J. Barrio

SELECTIVE EXTRACTION OF GLYPHOSATE USING STIR BARS COATED WITH WATER COMPATIBLE IMPRINTED POLYMERS

PO-3 Katarzyna Bielicka-Daszkiewicz

MICRO-SOLID PHASE EXTRACTION METHOD AS THE TOOL FOR ISOLATION ORGANIC COMPOUNDS

PO-4 Milen **Bogdanov**

IONIC LIQUIDS VS. MOLECULAR SOLVENTS IN THE SAMPLE PREPARATION FOR ANALYSIS OF VALUE ADDED NATURAL PRODUCTS IN PLANTS

PO-5 Ivanka Dakova

CHROMIUM DETERMINATION AND SPECIATION IN TEXTILE MATERIALS BY NEW CORE-SHELL ION-IMPRINTED SORBENT

PO-6 Victoria **Dorrer**

HANGING THREADS OF ARACHNOCAMPA LUMINOSA - CHALLENGES OF SAMPLE PREPARATION AND SEPARATION FOR BIOADHESIVES

PO-7 Benedikt Engel

AMBLYOMMA HEBRAEUM: ANALYSIS OF TICK ATTACHMENT CEMENT

PO-8 Vasilina Eskina

ADVANCED S,N-CONTAINING COMPLEX-FORMING SORBENT FOR SEPARATION AND CONCENTRATION OF ECOTOXICAL AND PLATINUM GROUP ELEMENTS IN SECONDARY RAW MATERIALS

PO-9 Blanka Fodor

QUANTITATIVE ALKYLSILYL SPECIATION AND DIRECT SAMPLE PREPARATION OF PLANT CANNABINOIDS PRIOR TO THEIR ANALYSIS BY GC-MS

PO-10 Miuta Filip

DETERMINATION OF SOME PURINE DERIVATIVES IN RUMINANTS MILK USING SOLID-PHASE EXTRACTION AND HPLC WITH DAD DETECTION

PO-11 Urs Hofstetter

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HYDROGEN VS. HELIUM: EVALUATION OF CARRIER GASES FOR CHLORINATED CONTAMINANT TESTING BY GC/ECD

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ACHIRAL SFC: NO C18 EQUIVALENT, NO PROBLEM

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EPIMERIC SEPARATION AND METHOD DEVELOPMENT FOR IMPURITY ANALYSIS OF AN ANTIBODY-DRUG CONJUGATE (ADC) PAYLOAD-LINKER

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