Scientific Program

World Congress on

CHROMATOGRAPHY

September 21-23, 2016  Amsterdam, Netherlands
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>08:30-09:15</td>
<td>Registrations</td>
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<tr>
<td>09:15-09:30</td>
<td>Opening Ceremony</td>
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<tr>
<td>09:30-09:45</td>
<td>Introduction</td>
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</table>
| 09:45-10:15 | Title: Roles of chromatography in developing traditional herbal/ayurvedic medicine (phytomedicines)  
Ramesh C Pandey, GDP Ayurvedic University, USA |
| 10:15-10:45 | Title: Aqueous normal phase chromatography. A new approach to complex sample analysis  
Joseph J Pesek, San Jose State University, USA |
| 10:45-11:15 | Title: Macro and micro-scale methods using large volume injections and heart-cutting 2D-LC for ultrahigh sensitivity bioanalysis  
Filip Cuyckens, Janssen R&D, Belgium |
| 11:15-11:30 | Group Photo & Networking & Refreshment: 11:15-11:30 @ Pre Function   |
| 11:30-11:50 | Session: Affinity Chromatography                                       |
| 11:30-11:50 | Title: Fingerprinting of natural product by eastern blotting using monoclonal antibodies  
Yukihiro Shoyama, Nagasaki International University, Japan |
| 11:50-12:10 | Title: Topiramate quantitation in human plasma by liquid chromatography-tandem mass spectrometry: Application to therapeutic drug monitoring  
Kamal Matar, Kuwait University, Kuwait |
| 12:00-12:30 | Title: New applications of reversed phase chromatography for detection and quantitation of certain adulterants in illegal herbal medicines  
Ahmed Mohamed Ali Hemdan, Ahram Canadian University, Egypt |
| 12:30-12:50 | Title: Implementation of UHPLC-single quad MS platform: The next level transforming pharmaceutical quality control laboratories  
Evelien Wynendaele, Ghent University, Belgium |
| 12:50-13:10 | Title: Analysis of natural crosslinks by liquid chromatography mass spectrometry using a silica hydride column  
Rafea M Naffa, Massey University, New Zealand |
| 13:10-13:30 | Title: A novel and fast approach to monitor cell disruption efficiency  
Britta Eggenreich, Vienna University of Technology, Austria |
| 13:30-14:30 | Lunch Break: 13:30-14:30 @ The Gallery                                 |
| 14:30-14:50 | Session: High Performance Liquid Chromatography | Gas Chromatography |
| 14:30-14:50 | Title: Quantification of drug metabolites in the absence of authentic standards  
Filip Cuyckens, Janssen R&D, Belgium |
| 14:50-15:10 | Title: The Development of Standards for Quality Control of Herbal Medicines  
Siu-Po IP, The Chinese University of Hong Kong, Hong Kong |
| 15:10-15:30 | Title: Study on the generation mechanism and change regularity of characteristic "raisin" flavor compounds in raisins  
Dong Wang, China Agricultural University, China |
| 15:30-15:50 | Title: Elution order switchable chiral stationary phases for HPLC based on switching and memory of helicity in polyacetylenes in the solid state  
Katsuhiro Maeda, Kanazawa University, Japan |
Networking and Refreshments Break: 15:50-16:05 @ Pre Function

16:05-16:25

Title: Biomass upgrading and catalyst characterization using a tandem reactor - GC/MS system
Michael Soll, Frontier Laboratories, Germany

Title: A novel toolbox with chromatogram fingerprints for lysis monitoring in E.coli bioprocesses
Vignesh Rajamanickam, Vienna University of Technology, Vienna, Austria

Panel Discussion 16:45-17:15

Day 2 September 22, 2016

Meeting Place 2

Keynote Forum

10:00-10:30

Title: Comprehensive molecular characterization of multi-component synthetic polymers with liquid chromatography
Dušan Berek, Polymer Institute of the Slovak Academy of Sciences, Slovakia

10:30-11:00

Title: Unsupervised component analysis: How to retrieve independent contributions
Jorge Costa Pereira, University of Coimbra, Portugal

11:00-11:30

Title: Retention time correction in gas chromatography by modelling concentration related effects
R Kapeller, Austrian Agency for Health and Food Safety, Austria

Networking and Refreshments Break: 11:30-11:45 @ Pre Function

Poster Presentations 11:30-12:00

CGY-001

Title: Sensitive determination of phthalates in edible oils enabled through elimination of phthalate background from HPLC–MS/MS
Adam Vavrouš, Charles University in Prague, Czech Republic

CGY-002

Title: Performance Comparison Between Monolithic Column And Silica Based C-18 Particle Packed Column For The Determination Of Three Anti-diabetics In Pharmaceuticals
A. Hemdan, Ahram Canadian University, Egypt

CGY-003

Title: Spectrophotometric determination and recovery of Cr(VI) from waste water by using a novel calix[4] arene based on polymer inclusion membrane (PIM) modified with nanocomposite graphene oxide
Canan Onac, Pamukkale University, Turkey

CGY-004

Title: A link between aberrant methylation level and AA adducts: Fact or coincidence
Dalía El-Zeiher, Beni-Suef University, Egypt

CGY-005

Title: Novel approach for targeted profiling of plant ecdysteroids by UHPLC-MS/MS vs. SFC-UV/MS
Danuse Tarkowska, Palacky University, Czech Republic

CGY-006

Title: MLC as an effective tool in the prediction of human intestinal absorption
D S Shokry, University of Huddersfield, UK

CGY-007

Title: Simultaneous determination and validation of telmisartan and amlodipine in pharmaceutical preparations using capillary electrophoresic method
Ebru TÜRKÖZ Acar, Yeditepe University, Turkey

CGY-008

Title: Rapid identification of anti-inflammatory active ingredients from Tumuxiang based on spectrum-effect relationship and natural products application solution with UNIFI
Fangdi Hu, Lanzhou University, P. R. China

CGY-009

Title: Identification of components from Sinapis semina that act on the thoracic aorta by screening using cell membrane chromatography combined with online-high performance liquid chromatography-mass spectrum
Fen Wei, Xi’an Jiaotong University, China

CGY-010

Title: Performance evaluation of different columns in hydrophilic interaction liquid chromatography for the determination of N-nitrosodiethanolamine in shampoo
G Abedi, Azahra University, Iran

CGY-011

Title: Analysis of endogenous aldehydes in human urine by static headspace gas chromatography–mass spectrometry
Manuel Silva, University of Córdoba, Spain
### CGY-012
**Title:** Temperature controlled liquid phase microextraction, in-situ derivatization for determination of estrogens in water by gas chromatography-tandem mass spectrometry  
**Maw-Rong Lee,** National Chung Hsing University, Taiwan

### CGY-013
**Title:** Origin of haloacetic acids in milk and dairy products  
**Mercedes Gallego,** University of Córdoba, Spain

## Session: Adsorption Chromatography | Ion Exchange Chromatography

**Session Chair:** Jorge Costa Pereira, University of Coimbra, Portugal  
**Session Co-Chair:** Wojciech Strząłka, Jagiellonian University, Poland

### 12:00-12:20
**Title:** Multi-dimensional ion chromatography–mass spectrometry for simultaneous determination of extracellular metabolites in Clostridium thermocellum  
**Yun Fa,** Chinese Academy of Sciences, China

### 12:20-12:40
**Title:** Dendron-based stationary phases for hydrophobic interaction chromatography  
**Sena Yaman,** Izmir Institute of Technology, Turkey

### 12:40-13:00
**Title:** Separation of drug active ingredients by using subcritical water chromatography  
**Berkant Kayan,** Aksaray University, Turkey

### 13:00-13:20
**Title:** Implementation of ssDNA aptamers for imidazole-free purification of His3-tagged recombinant proteins  
**Wojciech Strząłka,** Jagiellonian University, Poland

### Lunch Break: 13:20-14:20 @ The Gallery

### Poster Presentations 14:00-14:50

**CGY-014**  
**Title:** Introducing a versatile tandem µ-reactor-GC/MS system for rapid characterization of catalysts: Ethanol and citrus unshiu peel conversion  
**Michael Soll,** Frontier Laboratories, Japan

**CGY-015**  
**Title:** Evaluation of Fe3O4.SiO2.Al(OH)3 and Fe3O4.Al(OH)3 nanostructures for extraction and pre-concentration of 1,4-dioxane from shampoo by gas chromatography  
**Mina Ranjar Zandaragh,** Imam Khomeini International University, Iran

**CGY-016**  
**Title:** Chromatographic purification of the water extract of Virola surinamensis (Rol.) Warb, an Amazonian medicinal plant  
**Mirtes Midori Tanae,** Universidade Federal de São Paulo, São Paulo, Brazil

**CGY-017**  
**Title:** A validated UPLC-UV method for bisphenol A (BP-A) levels detection in imported plastic toys and drinking bottled water in Kuwait  
**Naser Faisal Al-Tannak,** Kuwait University, Kuwait

**CGY-018**  
**Title:** Use of gas chromatography to determine the cholesterol level in samples of meat and meat products  
**Ropota Mariana,** National Research & Development Institute for Animal Biology and Nutrition (IBNA), Romania

**CGY-019**  
**Title:** A validated LC-MS/MS assay for the quantitative determination of Hypophyllanthin and silibinin in Human Plasma: Application to a pharmacokinetic study in healthy volunteers  
**Said A. Hassan,** Cairo University, Cairo, Egypt

**CGY-020**  
**Title:** Separation of seven flavonoids in Astragali radix using ultra-performance subcritical fluid chromatography on different stationary phases  
**Shihan Feng,** Lanzhou University, China

**CGY-021**  
**Title:** Preparation of tetraoxocalix [2]arene[2]triazine coated Fe3O4 @SiO2 magnetic nanoparticles and its application in determination of PAHs in smokers urine  
**Shuseng Zhang,** Zhengzhou University, China

**CGY-022**  
**Title:** Development of a multicomponent method for the analysis of banned substances in cosmetic products by GC-MS/MS  
**Ševčík Václav,** National Institute of Public Health, Czech Republic

**CGY-023**  
**Title:** A novel toolbox for impurity pattern monitoring during inclusion body processing  
**Vignesh Rajamanickam,** Vienna University of Technology, Vienna, Austria
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<tr>
<th>Title</th>
<th>Author(s)</th>
<th>Institution(s)</th>
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<tbody>
<tr>
<td>Title: Feasibility of correlating separation of ternary mixtures of neutral analytes via thin layer chromatography with supercritical fluid chromatography in support of green flash separations</td>
<td>Tony Q Yan, Pfizer Inc., USA</td>
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<td>Title: New method of screening allergenic components from Yejuhua injection with LAD2/CMC model online UHPLC-ESI-TOF-MS system</td>
<td>Yanni Lv, Xi’an Jiaotong University, China</td>
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<tr>
<td>Title: Screening allergenic components from Danshen injection via HMC-1/CMC online UHPLC-ESI-MS/MS system</td>
<td>Yuanyuan Lin, Xi’an Jiaotong University, China</td>
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<td>Session: Molecular Exclusion Chromatography</td>
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<td>Session Chair: Romain Kapel, University of Lorraine, France</td>
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<td>Session Co-Chair: Fabian Holenstein, Novartis Institutes for Biomedical Research, Switzerland</td>
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<td>Title: Separation of hydrophobic amino acid enantiomers in CEC system by molecular imprinting technique</td>
<td>Koray Şarkaya, Düzce University, Turkey</td>
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<td>Title: N-Acylated chitosan Bis(arylcarbamate): A class of chiral separation materials with powerful enantioseparation ability and high tolerability to organic solvents</td>
<td>Sheng Tang, Wuhan Institute of Technology, China</td>
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<td>Title: Permeation profiles of hormones and NSAIDs through vaginal mucosa using Pentravan cream</td>
<td>Hudson Polonini, Federal University of Juiz de Fora, Brazil</td>
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<tr>
<td>Title: Automated harvesting and 2-step purification of eight 1-L unclarified mammalian cell-culture broths containing antibodies using a novel configuration on AKTATM pure</td>
<td>Fabian Holenstein, Novartis Institutes for Biomedical Research, Switzerland</td>
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<tr>
<td>Title: Size-exclusion HPLC as a sensitive and calibrationless method for complex peptide mixtures quantification</td>
<td>Romain Kapel, University of Lorraine, France</td>
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<td>Networking and Refreshments Break: 16:30-16:45 @ Pre Function</td>
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<td>Day 3 September 23, 2016</td>
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<td>Meeting Place 2</td>
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<td>Keynote Forum</td>
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<td>Title: Kinetic chromatography: A new approach to study kinetics of reversible protein-drug binding</td>
<td>Sergey N Krylov, York University, Canada</td>
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<td>Title: Micro-planar chromatography as useful tool for low resolution metabolomics study and environmental samples assessment</td>
<td>Paweł K Zarzycki, Koszalin University of Technology, Poland</td>
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<tr>
<td>Networking and Refreshments Break: 11:00-11:15 @ Pre Function</td>
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<tr>
<td>Session: Special Techniques in Chromatography</td>
<td>Spectroscopy</td>
<td>Session Chair: Sergey N Krylov, York University, Canada</td>
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<td>Title: Raman spectroscopy based method for the evaluation of compositional consistency of nanofibrous layers</td>
<td>Adéla Kotzianová, Contipro Pharma a.s., Czech Republic</td>
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<tr>
<td>Title: Spectrophotometric determination of Cr(iii) and Pb(ii) using 5,11,17,23-tetra[(2-ethyl acetoxyphenyl) (azo) phenyl]calix[4]arene</td>
<td>Nguyen Khanh Hoang, Industrial University of HoChiMinh City, Vietnam</td>
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<td>Title: Inverse liquid chromatography in surface characteristic of materials</td>
<td>Katarzyna Adamska, Poznan University of Technology, Poland</td>
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<td>Speaker/Institution</td>
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<tr>
<td>12:15-12:35</td>
<td>Title: Enantiomer separations of amino acids and derivatives on immobilized polysaccharide phases with extended range of solvents using supercritical fluid chromatography</td>
<td>Tony Q Yan, Pfizer Inc., USA</td>
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<td>Lunch Break: 12:35-13:35 @ The Gallery</td>
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<td>13:35-13:55</td>
<td>Title: Comprehensive two-dimensional critical chromatography a tool to understand the behavior of random and block copolymers in chromatography</td>
<td>Aschwin van der Horst, Nuplex, Netherlands</td>
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<td>13:55-14:15</td>
<td>Title: Chromatography in the NMR tube</td>
<td>Michael John, Institute of Anorganische Chemie, Germany</td>
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<td>14:15-14:35</td>
<td>Title: Aptamer-based affinity chromatography as a rapid, single step method for purification of native proteins</td>
<td>Svetlana M Krylova, York University, Canada</td>
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<td>14:35-14:55</td>
<td>Title: Removal of lipid interferences using zirconia-based solid phase extraction (SPE) and QuEChERS sorbents</td>
<td>Jennifer E Claus, MilliporeSigma, USA</td>
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