

MONDAY - July 6

12h00 - 13h00	Registration		
13h00 - 14h15	Short course 1: Chemistry of Reversed Phase HPLC Columns (Vladimir Ioffe, room 0.1)	Short course 2: Biopharmaceutical analyses (Koen Sandra, room 0.2)	Short course 3: Analytical Quality by Design (aQbD) for ATMPs (Evan Claes, room -1.11)
14h15 - 14h45	Break		
14h45 - 16h00	Short course 1: Chemistry of Reversed Phase HPLC Columns (Vladimir Ioffe, room 0.1)	Short course 2: Biopharmaceutical analyses (Koen Sandra, room 0.2)	Short course 3: Analytical Quality by Design (aQbD) for ATMPs (Evan Claes, room -1.11)

15h00 - 16h30	Registration
16h30 - 17h00	Opening Ceremony In Memoriam prof. Görög
	Chairs: Cédric Delporte & Gabriella Massolini
17h00 - 17h40	PL-01: Deirdre Cabooter (KU Leuven, Belgium): <i>"Multi-dimensional liquid chromatography in combination with high-resolution mass spectrometry as a powerful tool to determine the environmental fate of drugs"</i>
17h40 - 18h20	PL-02: Carsten Hopf (Technical University of Applied Sciences Mannheim, Germany): <i>"Label-free technologies and data science for pharmaceutical R&D: from single cells to 3D models"</i>
18h20 - 20h00	Welcome reception

TUESDAY - July 7

08h00 - 09h00	Registration	
	Chair: Cédric Delporte	
09h00 - 09h40	PL-03: Jonathan Bones (NIBRT, Ireland): <i>"Product and Process Characterisation using Native Mass Spectrometry"</i>	
	Chairs: Kenji Hamase & Laura Mercolini	Chairs: Marianne Fillet & Tomas Leek
09h45 - 10h10	KN-01: Naoya Kishikawa (Nagasaki University, Japan): <i>"Luminescence-Based Analytical Approaches for Pharmaceuticals: Environmental and Biological Applications"</i>	KN-02: Zhengjin Jiang (Jinan University, China): <i>"Epitope mimetic peptide recognition technology promotes the in-depth analysis of antibody-drug conjugates"</i>
10h10 - 10h30	OP-01: Marta Garrido Alvarez (Université de Montpellier, France): <i>"Unraveling Aβ42 aggregation mechanisms under chemical exposome influence using Taylor Dispersion Analysis (TDA)"</i>	OP-03: Maarten Aerts (Eurofins, Belgium): <i>"A targeted mass spectrometry approach (MRM) to resolve protein analysis recovery challenges in solid dosage forms of therapeutic proteins"</i>
10h30 - 10h50	OP-02: Rosaria Spagnuolo (University of Bologna, Italy): <i>"Optimization of an In-House Fluorometric Assay for Human Recombinant Cathepsin E as an Alternative to Commercial Kits"</i>	OP-04: Heather Chassaing (Sciex, France): <i>"Integrating EAD and CID Fragmentation for Comprehensive Molecule Characterisation"</i>
10h50 - 11h10	Break	
	Chairs: Emmy Tuenter & Sandra Furlanetto	Chairs: Elia Psillakis & Christophe Stove
11h10 - 11h35	KN-03: Anelize Bauermeister (University of São Paulo, Brazil): <i>"Coral microbiome as a source for pharmaceuticals"</i>	KN-04: Fernando Gonçalves de Almeida (Ellison Institute of Technology, United Kingdom): <i>"Multifaceted LC-MS approach in drug discovery: from hit finding to binding and structural activity"</i>
11h35 - 11h55	OP-05: Petar Naumovski (Ghent University, Belgium): <i>"Bioanalytical variability and identification criteria performance of low level microbial peptides in human plasma and saliva"</i>	OP-08: Quezia Cass (Universidade Federal de São Carlo, Brazil): <i>"AS-MS-Based Approach for Tyrosinase Ligand Discovery"</i>

11h55 - 12h15	OP-06: Lieselotte Jaspers (University of Antwerp, Belgium): <i>"Method Development and Validation of Anthocyanin Quantification in Blueberry and Bilberry Powder: Analysis of the Market Integrity of Anthocyanin-Based Food Supplements"</i>	OP-09: Irene Castellino (University of Hradec Kralove, Czech Republic): <i>"Immobilized Enzymes on Magnetic Beads: a Versatile Tool for Accelerated Drug Discovery in Alzheimer's Disease"</i>
12h15 - 12h35	OP-07: Sofia Salerno (University of Pavia, Italy): <i>"Innovative SEC Affinity Method Using Natural Extracts with MSbased Metabolomics Approaches to Reveal PPAR-Bound Natural Metabolites"</i>	OP-10: Charline Monnier (University of Hradec Kralove, Czech Republic): <i>"Immobilized Animal Liver Microsomes: A Versatile Tool for Efficient Ester Hydrolysis in Chemo-Enzymatic Synthesis of Drug Candidate"</i>
12h35 - 14h00	Lunch break	
	Chair: Evelien Wynendaele	
14h00 - 14h30	Flash posters (1)	
14h30 - 15h40	Poster session 1	
15h40 - 16h00	Break	
	Chairs: Carsten Hopf & Zhengjin Jiang	Chairs: Deirdre Cabooter & Nina Hermans
16h00 - 16h25	KN-05: Sandra Furlanetto (University of Florence, Italy): <i>"Developing Analytical Procedures through Multivariate Risk Management Strategies: Tools and Advantages"</i>	KN-06: Elia Psillakis (Technical University of Crete, Greece): <i>"GreenSOL: The first green solvent selection guide for analysis"</i>
16h25 - 16h45	OP-11: Debby Mangelings (Vrije Universiteit Brussel, Belgium): <i>"Prediction of Enantioseparations on Polysaccharide-Based Chiral Stationary Phases"</i>	OP-14: Xiaofei Chen (Naval Medical University, China): <i>"In Situ Analysis of Drug-Target Interactions"</i>
16h45 - 17h05	OP-12: Brent Van Geyt (Ghent University, Belgium): <i>"Analysis of Residual Moisture Content in Tablets with NIR-SRS and 3D-MRT"</i>	OP-15: Felix Bredendiek (Freie Universität Berlin, Germany): <i>"Extending Stability Testing of Drug Substances to Nitrosamine Formation in Online Design"</i>
17h05 - 17h25	OP-13: Vanille Sorret (Université Paris-Saclay, France): <i>"Quantification and characterisation of monoclonal antibodies by the coupling of imaged capillary isoelectric focusing and chemometrics"</i>	OP-16: Hailekiros Gebretsadik Kidanemariam (KU Leuven, Belgium): <i>"Practical, Low Cost Capillary Electrophoresis Solutions for Resource Limited Laboratories"</i>

18h30 - 20h30	Speaker's dinner
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WEDNESDAY - July 8

08h00 - 09h00	Registration	
	Chair: Jacques Crommen	
09h00 - 09h40	PL-04: Coral Barbas (Centre for Metabolomics and Bioanalysis, Spain): <i>"Bridging Untargeted and Targeted Metabolomics in Biomedical Analysis"</i>	
	Chairs: Dajana Vuckovic & Annelize Bauermeister	Chairs: Ann Van Schepdael & Sibel A Ozkan
09h45 - 10h10	KN-07: Serge Rudaz (University of Geneva, Switzerland): <i>"Metabolomics Insights into Mindfulness: Multiblock Integration Reveals Stress-Associated Signatures in Healthcare Students"</i>	KN-08: Gerhard Scriba (Friedrich Schiller University Jena, Germany): <i>"CE for the analysis of the enantiomeric purity of drugs"</i>
10h10 - 10h30	OP-17: Frank Klont (University of Groningen, The Netherlands): <i>"Pharmacometabolomics reveals notable differences between real-world and expected drug metabolism patterns in humans"</i>	OP-22: Clara Davoine (University of Liege, Belgium): <i>"Affinity Capillary Electrophoresis to Probe Drug Interactions with Membrane Proteins in Their Native Lipid Environment"</i>
10h30 - 10h50	OP-18: Oriane Strassel (University of Geneva, Switzerland): <i>"Alternative Surrogate Calibrants for Extended Internal Calibration in LC-MS/MS Quantitative Analysis"</i>	OP-23: Quentin Lorenzi (Université de Montpellier, France): <i>"Generic Capillary Electrophoresis Methodology for Quality Control of Histidine Epimerization in Therapeutic Peptides"</i>
10h50 - 11h10	Break	
	Chairs: Serge Rudaz & Coral Barbas	Chairs: Fabiana Arduini & Gerhard Scriba
11h10 - 11h30	OP-19: Michael Lämmerhofer (University of Tübingen, Germany): <i>"Isomer Selective Metabolomics and Lipidomics"</i>	OP-24: Seyda Nur Samanci (Ankara University, Turkey): <i>"Electropolymerized pABA/Aniline Molecularly Imprinted Sensor for Indirect Electrochemical Detection of Enalapril Maleate"</i>
11h30 - 11h50	OP-20: Anna Laurent (University of Liege, Belgium): <i>"Cell surface proteomics of 3D cell culture models: optimization, comparison, and critical evaluation of different enrichment strategies"</i>	OP-25: S. Irem Kaya (University of Health Science, Turkey): <i>"Synergistic Enhancement of an Electrochemical Sensor via NIR-Responsive Polydopamine Nanostructures for Pharmaceutical Analysis"</i>

11h50 - 12h10	OP-21: Aurore Bonclinville (University of Liege, Belgium): <i>"Characterization of HPV virus-like particles using SEC and AF4 coupled with MALS"</i>	OP-26: Seyda Yayla (Ankara University, Turkey): <i>"Highly Selective Electrochemical Sensing of Naringenin in Plant-Derived Samples via a Nanocomposite-Modified Molecularly Imprinted Polymer"</i>
12h10 - 13h30	Lunch break	
	Chair: Evelien Wynendaele	
13h30 - 14h00	Flash posters (2)	
14h00 - 15h10	Poster session 2	
15h10 - 15h30	Break	
	Chairs: Thomas De Beer & Vladimir Ioffe	Chairs: Michael Lämmerhofer & Jonathan Bones
15h30 - 15h55	KN-09: Laura Mercolini (University of Bologna, Italy): <i>"A new era for microsampling in pharmaceutical and biomedical analysis"</i>	KN-10: Koen Sandra (RIC group, Belgium): <i>"Redefining the analytical toolbox for biopharmaceuticals"</i>
15h55 - 16h15	OP-27: Erwin Adams (KU Leuven, Belgium): <i>"Ion chromatography for the analysis of pharmaceutical formulations"</i>	OP-30: Marina Naldi (University of Bologna, Italy): <i>"Toward a high-quality human albumin formulation: analytical assessment of commercial albumin damage and structural recovery by glutathione treatment"</i>
16h15 - 16h35	OP-28: Simone Manzi (Università degli studi di Milano, Italy): <i>"An Integrated Analytical Workflow for the Isolation and Structural Characterization of Bioactive Saturated Hyaluronic Acid Oligomers"</i>	OP-31: Silvia Millan-Martin (National Institute for Bioprocessing Research and Training, Ireland): <i>"Forced degradation studies of small oligonucleotide therapeutics: IPRP-HRAMS as a stability-indicating analytical methods to decipher high complexity samples"</i>
16h35 - 16h55	OP-29: Phaedra Verding (Vrije Universiteit Brussel, Belgium): <i>"A polyamide-based 3D-printed sorbent in a validated sample pretreatment for the analysis of amino acids in mice plasma"</i>	OP-32: Aurora Tini (University of Pavia, Italy): <i>"Mass Spectrometry-Based Characterization of Structural Heterogeneity in Recombinant and Plasma-Derived Ceruloplasmin"</i>

	Chair: Evelien Wynendaele
16h55 - 17h20	KN-11: Dajana Vuckovic (Concordia University, Canada): <i>"Advancing LC-MS metabolomics and lipidomics for personalized health"</i>
18h15 - 19h15	City tour
19h45 - 22h00	Conference dinner

THURSDAY - July 9

08h00 - 09h00	Registration	
	Chair: Michal Markuszewski	
09h00 - 09h40	PL-05: Kenji Hamase (Kyushu University, Japan): <i>"Three-dimensional LC and two-dimensional LC-MS/MS analysis of chiral amino acids and related compounds for the screening of physiologically active substances and biomarkers"</i>	
	Chairs: Giulio Muccioli & Bertrand Blankert	Chairs: Quezia Cass & Fernando Gonçalves de Almeida
09h45 - 10h10	KN-12: Christophe Stove (Ghent University, Belgium): <i>"Dried blood microsampling in therapeutic drug monitoring and toxicology"</i>	KN-13: Tomas Leek (AstraZeneca, Sweden): <i>"Speed, Depth, and Quality: Building an Integrated LC-MS Toolbox for ASO/siRNA Analytics in Early Drug Discovery"</i>
10h10 - 10h30	OP-33: Lia Visintin (Ghent University, Belgium): <i>"Mycotoxins or doping? The intertwined story of Zearalenone and Zeranol"</i>	OP-35: Wang Jincal (Jinan University, China): <i>"A Sensitive and Accurate 1536-based Screening Platform Coupled with Cosine Similarity-driven Algorithm for High-throughput Screening of Bioactive Compounds from Complex Matrices"</i>
10h30 - 10h50	OP-34: Lena De Hondt (Vrije Universiteit Brussel, Belgium): <i>"Quantification of ADHD Medication in Plasma and Breast Milk: An LC-MS/MS Analysis"</i>	OP-36: Ahmet Cetinkaya (University of Health Science, Turkey): <i>"Eco-Friendly MXene/Chitosan-Supported Molecularly Imprinted Platform for Selective Detection of Abemaciclib"</i>
10h50 - 11h10	Break	

	Chairs: Naoya Kishikawa & Myriam Taverna	Chair: Ann Van Eeckhaut
11h10 - 11h30	OP-37: Jesús Alberto Afonso Urich (Research Center Pharmaceutical Engineering GmbH, Austria): <i>"Beyond Dissolution Testing: Optical Coherence Tomography for Non-Destructive Evaluation and Regulatory Advancement of Enteric-Coated Dosage Forms"</i>	OP-39: Annika Lisa Jendretzki (Freie Universität Berlin, Germany): <i>"In vitro inhibition assay for human sulfotransferases expressed in Schizosaccharomyces pombe"</i>
11h30 - 11h50	OP-38: Kevser Kemik (University of Liege, Belgium): <i>"Development of a surface-enhanced Raman chemical imaging method for pharmaceutical active ingredient tracking in the context of in-vitro skin equivalent-model permeation studies"</i>	
	Chair: Bertrand Blankert	
11h55 - 12h35	PL-06: Fabiana Arduini (University of Rome Tor Vergata, Italy): <i>"Paper-based electrochemical (bio)sensors for smart and sustainable biomedical applications"</i>	
12h35 - 13h10	Closing ceremony	
13h10 - 14h30	Farewell drink	

Legend:

Plenary lecture (PL)
Keynote lecture (KN)
Young Scientist oral presentation (OP)
Oral presentation (OP)