



Conference Agenda
12th International Symposium on Drug Analysis and 32nd International Symposium on

Sunday, 11th September 2022

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| 4:00pm | Registration | |
| 4:30pm | Opening Ceremony: Welcome - International BSPS Award Ceremony | |
| 5:00pm | <p align="center">Plenary Session 1: Dr. Ilona REISCHL <i>The regulatory perspectives on ATMP development.</i></p> | |
| 5:40pm | <p align="center">Plenary Session 2: Prof. Ulrike HOLZGRABE <i>Juggling analytes, column chemistry and charged aerosol detection – HPLC analysis of weak chromophore drugs .</i></p> | |
| 6:20pm | Welcome reception | |

Monday, 12th September 2022

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| 8:00am | Registration | |
| 8:45am | <p align="center">Plenary Session 3: Prof. H. WÄTZIG <i>Biomolecules and their physicochemical properties: charge interactions, CIEF and affinity CE.</i></p> | |
| 9:30am | <p>Session A-1: Biophysical and biological quality control techniques for medicines KN: Dr. K. Zhang <i>Automated high-throughput oligonucleotide-lipid nanoparticle preparation and analytical characterization</i></p> | <p>Session B-1: Pharmaceutical processing (multivariate approaches, fingerprinting, chemometrics, QbD) KN: Prof. L. C. Klein Junior <i>The use of chemometrics to study natural products</i></p> |
| | Oral communications | Oral communications |
| 10:40am | Coffee break | |
| 11:00am | <p>Session A-2: Environmental fate and ecological characteristics of drugs</p> | <p>Session B-2: Natural product pharmaceuticals</p> |
| | Oral communications | Oral communications |
| 12:30pm | Lunch | |
| 1:30pm | Poster Session 1 | |
| 3:00pm | Coffee break | |
| 3:30pm | <p>Session A-3: Pharmaceutical regulatory quality (including novel guidelines, counterfeiting, vaccines, etc) KN: Prof. M. Thevis <i>Chromatographic-mass spectrometric approaches in sports drug testing - challenges and advances</i></p> | <p>Session B-3: Omics for personalized medicine (microbiome, genomics, metabolomics and proteomics, peptidomics, lipidomics, venomics, etc) KN: Prof. R. Ramautar <i>Advances and Utility of Capillary Electrophoresis-Mass Spectrometry in Micro-Metabolomics</i></p> |
| | Oral communications | Oral communications |
| 6:00 pm | Social event (TO BE CONFIRMED) | |

Tuesday, 13th September 2022

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| 8:45am | <p align="center">Plenary session 4: Prof. G. KERSTEN <i>Vaccine characterization: from black box to well-defined biologics.</i></p> | |
| 9:30am - 10:30am | Young Scientist Session 1 | |
| 10:30am | Coffee break | |
| 10:50am - 11:30am | Young Scientist Session 2 | |
| 11:35am | <p>Session A-4: Drug discovery and development (including MS and imaging in ADME studies) KN: Prof. P Horvatovich <i>Importance of data pre-processing in accurate drug distribution profiling with LC-MS/MS and mass spectrometry imaging</i></p> | <p>Session B-4: Sampling and sample preparation (including non-invasive analytical techniques) KN: Prof. J. Pawliszyn <i>Rapid screening by directly coupling sampling/sample preparation devices to mass spectrometry</i></p> |
| | Oral communications | Oral communications |
| 13:05am | Lunch | |
| 2:00pm | Poster Session 2 | |
| 3:30pm | <p>Session A-5: Novel methodologies for drug analysis KN: Prof. C. West <i>Interest of unified chromatography (UC) to analyze polar biomolecules in pharmaceutical products</i></p> | <p>Session B-5: Biomedical and diagnostic applications (including biomarkers, biosensors, point of care analysis and in vitro diagnostic) KN: Prof. S. Özkan <i>Electroanalytical Carbon Based Nanosensors: Their potential use in the life sciences and clinical medicine</i></p> |
| | Oral communications | Oral communications |
| 4:20pm | Coffee break | |
| 4:40pm | <p>Session A-6: Novel methodologies for drug analysis</p> | <p>Session B-6: Biomedical and diagnostic applications (including biomarkers, biosensors, point of care analysis and in vitro diagnostic) KN: Prof. K. Hamase <i>Multi-dimensional HPLC analysis of chiral amino acids in complicated matrices including clinical, food and extraterrestrial samples</i></p> |
| | Oral communications | Oral communications |
| 7:30pm | Symposium dinner | |

Wednesday, 14th September 2022

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| 8:45am | <p align="center">Plenary Session 5: Dr. Davy GUILLARME <i>Protein biopharmaceuticals analysis with advanced chromatography and mass spectrometry approaches</i></p> | |
| 9:30am | <p>Session A-7: Biopharmaceuticals and Advanced Therapy Medicinal Products (bioanalysis, metabolism, etc) KN: Prof. A. Van Eeckhaut <i>Peptide quantification at the picomolar level in volume-limited biological samples: obstacles to tackle</i></p> | <p>Session B-7: Micro and nanotools in pharmaceutical analysis (SERS, nanofluidics, nanomagnets, single cell analysis, etc) KN: Prof. M. Taverna <i>Miniaturized strategies for Glycosylation analysis of Biopharmaceuticals and disease Biomarkers</i></p> |
| | Oral communications | Oral communications |
| 10:20am | Coffee break | |
| 10:50am | <p>Session A-8: Biopharmaceuticals and Advanced Therapy Medicinal Products (bioanalysis, metabolism, etc) Oral communications</p> | <p>Session B-9: Micro and nanotools in pharmaceutical analysis (SERS, nanofluidics, nanomagnets, single cell analysis, etc) Oral Communications</p> |
| 11:55am | <p align="center">Plenary Session 6: Prof. S. Pedersen-Bjergaard <i>Microextraction using artificial liquid membranes and electrical fields</i></p> | |
| 12:35am | Closing Ceremony (incl. announcement PBA 2023 and DA 2026, Young Scientist prize, Poster prizes) | |
| 12:50am | Farewell reception | |