

POSTERS

Poster Instructions

- Posters should be up Monday–Wednesday during the entire symposium.
- Posters should preferably be mounted on Sunday afternoon May 19, but not later than Monday morning May 20 before 9:00.
- Poster presentations are assigned a number that will also be attached to the poster board; authors should mount their posters only on their assigned boards.
- The preferred poster size is A0 (portrait). Nevertheless, the maximum poster size is 100 x 120 cm vertical (portrait) orientation. The poster does not necessarily have to fill the entire board area.
- Poster mounting material will be available.
- Two poster sessions are scheduled: Monday, May 20, 14:30–15:30, and Tuesday, May 21, 14:00–15:00.
- Presenters of a poster with an even number should be at their poster during the poster session on Monday; presenters of posters with an odd number should be at their poster during the poster session on Tuesday.
- Poster should be taken down on Wednesday, May 22 between 13:30 and 14:00.
- Any posters left after the symposium closing session will be removed by the organizers and recycled.

List of Poster Presentations

- in the alphabetical order of the presenting author

- P1 Noncovalent Labeling of Proteins in Sodium Dodecyl Sulfate Capillary Gel Electrophoresis
Felicia Auer, Andras Guttman
- P2 Electrophoretic Separation of DNA Fragments in Deuterated Water
Jan Badin, Ivona Voráčová, Petr Táborský, Marcus Gassmann, František Foret
- P3 Deterministic Lateral Displacement for Separation in Microscale: Particle and Microbial Cell Analysis
Violina B. Barbosa, Laura Cerqueira, João M. Miranda, Nuno F. Azevedo
- P4 Identification of Mephedrone Synthesis Reagents using CEMs
Iwona Biel, Katarzyna Czyżowska, Paulina Kraus, Paweł Mateusz Nowak, Michał Woźniakiewicz
- P5 Analysis of N-linked Glycans by CE/LIF Using Various Glycoproteomic Protocols
Janette Bobalova, Denisa Smolkova, Dana Strouhalova, Richard Cmelik, Jana Lavicka
- P6 Tools That Improves Concentration Sensitivity in Capillary Electrophoresis-Frontal Analysis for Affinity Studies
Taťána Bržezická, Lenka Kohútová, Hana Mlčochová, Tereza Zapletalová, Zdeněk Glatz
- P7 Separation Conditions for Oligonucleotides by CE-MS
Maria Butnariu, Dušan Koval
- P8 Microfluidic Capillary Electrophoresis - Mass Spectrometry for Rapid Charge-Variant and Glycoform Assessment of Monoclonal Antibody Biosimilar Candidates
Ruben Cageling, Sara Carillo, Anja Boumeester, Karin Lubbers-Geuijen, Jonathan Bones, Kevin Jooß, Govert W. Somsen
- P9 Unlocking New Perspectives: Fluorinated Sugars and Their Enhanced Lectin Binding Abilities
Jakub Červený, Martin Kurfiřt, Pavla Bojarová, Jindřich Karban
- P10 Study of Selected Analytes in in Vitro Fertilization Culture Medium by Capillary Electrophoresis
Petra Crhonková, Taťána Bržezická, Lenka Kohútová, Zdeněk Glatz

- P11 Multi-Material 3D-Printing Fabrication of Microfluidic Devices
Reverson F. Quero, Fernando Henrique M. Costa, Mathias Stahl Kawai, Dosil P. de Jesus, José A. F. da Silva
- P12 Determination of Unbound Fraction of Selected Antiepileptic Drug Using Ultrafiltration and LC-MS method
Viktoría Ďurčová, Marta Pelcová, Zdeněk Glatz, Jan Juřica
- P13 Sorbentless Dried Blood Spot Sampling for Automated DBS Analysis
Miloš Dvořák, Sylvie Profousová, Pavel Kubáň
- P14 Investigation of the Effect of Maternal Obesity and Gestational Diabetes on the N-Glycosylation of Human Immunoglobulins
Anna Farkas, András Guttman, Oksana Matsyura, Lesya Besh, Sándor G. Vári
- P15 Decoding the Human Seminal Plasma Metabolome: Assessment of the Performance of Different Sample Preparation Strategies
Luz Alonso-Dasques, María Morán-Garrido, Laura Mayo-Martínez, Érica A Souza-Silva, Ameer Y. Taha, Coral Barbas, Víctor González-Ruiz
- P16 Investigating Collagen-Protein Interactions Using Affinity Capillary Electrophoresis: Method Development and Use of Correction Factors
Sophie Hartung, Christin Scheller, Hermann Wätzig
- P17 Automated Sample Preparation of Human Tissue Specimens to Search for N-Glycan-based Biomarkers
Eniko Gebri, Kinga Hogyor, Adrienne Szabo, Gabor Jarvas, Zuzana Demianova, Andras Guttman
- P18 Liquid Biopsy Testing – Isolation Method for Targeted Nucleic Acid Biomarkers
Helena Hrušková, Roman Řemínek, František Foret
- P19 New Tools for Peptide Retention Time Predictions in Proteomics
Kateřina Hruřzová, Martina Nechvátalová, Jan Valášek, Jiří Urban
- P20 Combining Three-Dimensional Printed Miniaturized Microextraction Device and Elemental Extractant for Detection of Toxic Metal Ions
Shivangi Singh, Emmanuvel Arputharaj, Yu-Hui Huang, You-Rong Wu, Yeou-Lih Huang
- P21 Microfluidic Automation of Library Preparation for Nanopore Sequencing
Jacob F. Hess, Julian Rüdiger, Tobias Hutzenlaub
- P22 Microfluidic Automation of Sample Preparation Techniques for Proteomics
Jan-Niklas Klatt, Michelle Hinrichs, Tobias Hutzenlaub

- P23 Online Coupling of Size-Exclusion Protein Separation with Monolithic Enzymatic Reactor
Anna Kosmáková, Aryna Paulenka, Jiří Urban
- P24 The Evaluation of Galectin-1 – Glycopeptide Interactions by Affinity Monolith Chromatography
Maria Butnariu, Dušan Koval
- P25 Microfluidic Chip for Cell Lysis: Towards Single-Cell Immunochemistry in Microdroplets
Jana Krivankova, Julie Weisova, Antonin Hlavacek
- P26 How Can Electrochemistry Help with Drug Testing?
Anna Kubičková, Lucie Pražáková, Jan Fischer
- P27 Humic Acid Modified Paper as an Affordable Cation Exchanger Sorbent to Isolate Basic Drugs from Saliva Samples
Carlos Calero-Cañuelo, Rafael Lucena, Soledad Cárdenas
- P28 Sample Preparation for Proteomic Analysis - Greenness Evaluation
Katarína Maráková, Radovan Tomašovský, Marina Opetová, Kevin A. Schug
- P29 A Simplified Protocol for Intact Exosome Separation using Low-Pressure Size-Exclusion Chromatography
Ondrej Moravek, Zuzana Vankova, Malena Mandzi, Robert Jirasko, Zuzana Kozovska, Rudolf Kupcik, Zuzana Bilkova, Michal Holcapek
- P30 From Model to Practice: Developing an Enrichment and Recovery System to Facilitate Rapid Pathogen Detection
Patrick Raphael Muschak, Zehua Liu, Sonja Berensmeier, Sebastian Patrick Schwaminger
- P31 Acoustophoretic Focusing of Microparticles in Glass Microfluidic Device
Jakub Novotny, Lucie Brezinova, Anna Tycova
- P32 Novel Electro Driven Separation of Extracellular Vesicles by On-Chip Depletion-Zone Isotachopheresis and Potential Hyphenation to Omics Applications
Meia Numan, Andrea Capuano, Thomas Hankemeier, Yuliya Shakalisava
- P33 Glycoform Equivalence Assessment of Biotherapeutics with N-and O-Glycosylation Sites by Sequential Intact Mass Spectrometry
Myung Jin Oh, Hyun Joo An
- P34 First Data on Alpelisib Concentrations in Plasma Determined by HPLC-FLD Method
Eva Krejčířová, Marta Pelcová, Zdeněk Glatz, Jan Juřica

- P35 Therapeutic Drug Monitoring of Colistin Supported by Lipidomics in Critically Ill Patients
Juraj Piestansky, Ivana Gerhardtova, Ivana Cizmarova, Marian Koval, Andrej Kovac
- P36 Novel Approaches using Fluorescence Spectroscopy for Smoke Taint Determination
Erin Kalbaugh, Vincent T. Remcho
- P37 Novel Microsampling Approach Based on Solid-Phase Microextraction for Monitoring the Level of Tryptophan and Its Metabolites in Human Serum and Urine Samples
Anna Roszkowska, Ilona Olędzka, Piotr Kowalski, Natalia Miękus-Purwin, Kamila Langowska, Tomasz Bączek
- P38 Determination of Organic Acids in Infants Faeces Using a CE-C4D In-house Built Instrument
Marcelina Rusin, Joanna Pluta, Aneta Woźniakiewicz, Justyna Dobrowolska-Iwanek, Michał Woźniakiewicz
- P39 Application of the DLLME/GC-MS Method of the Identification of Aromatic Amines Derived from Azo Dyes for Forensic Analysis of Fibers
Anna Sałdan, Michał Woźniakiewicz, Paweł Kościelniak
- P40 Identification of Aspergillus Species using CE in Capillary with Roughened Part and MALDI TOF MS
Jiří Šalplachta, Anna Kubesová, Pavel Karásek, Filip Růžička, Michal Roth
- P41 Enzyme Kinetic Studies in Droplet Microfluidic Device with Fluorescence Detection
Michal Sedlák, Lukáš Jordán, Marta Pelcová, Zdeněk Glatz
- P42 Rhodamine B-based Labeling for Oligosaccharide and Glycan Analysis by CE/LIF
Jozef Sestak, Filip Dusa, Denisa Smolkova, Richard Cmelik, Jana Lavicka
- P43 Synthesis of Bifunctional Non-Covalent Molecularly Imprinted Polymers (MIPs) for Selective Extraction of Catecholamines and their Metabolites
Antons Podjava, Artūrs Šilaks, Laura Bernāte, Jorens Kviesis, Valda Valkovska
- P44 Navigating the Complex Landscape of Glycoproteomics: Challenges in Large-Scale Data Analysis
Adam Paulin Urminsky, Noortje de Haan, Tomas Henek, Lenka Hernychova
- P45 Micromachined Nanospray Interfaces for Fast and Sensitive Bioanalyses
Tomáš Václavěk, Elizaveta Vereshchagina, Leny Nazareno, Anand Summanwar, František Foret, Roman Řemínek

- P46 Design of Experiments-Based Optimization of Microflow LC-MS Method Applicable in Proteomics Analysis
Jan Valasek, Antonin Bednarik, Martina Nechvatalova, Jan Preisler, Jiri Urban
- P47 Top-down Analysis of Snake Venoms with CZE-MS
Gayatri Vishwakarma, Melinda Andrasi, Ruben Szabo, Peter Hajdu, Vladimir Petrilla, Monika Petrillová, Jaroslav Legath, Attila Gaspar
- P48 Analysis of Biothiols in Non-Invasive Sample Matrix with the Use of Gold-Based Nanostructures
Jiri Volanek, Vladimir Jonas, Vera Dosedelova, Petr Kuban
- P49 Simple Separation Device for Fast Sample Desalination
Ivona Voráčová, Vanda Kociánová, Yann Astier, Doo Soo Chung, František Foret
- P50 The New Format of Stop-Flow Thermophoretic Measurement in the Narrow-Bore Transparent Capillary
Michał Woźniakiewicz, Paweł Mateusz Nowak, Aleksandra Zima, Alicja Bis, Iwona Biel