

Conference program of CECE 2017

University of Pannonia, Veszprem, Hungary, October 08-11, 2017

Day 1 – Monday, 9 October, 2017 /Conference Center, Building B/

08:00 – 15:00 Registrations

09:00 – 09:15 CECE 2017 – Opening remarks: Andras Guttman and Herbert Lindner

09:15 – 09:45 **Bianca Avramovitch**

Senior Director, Global Analytical R&D, Teva, Kfar Saba, Israel

Emerging analytical technologies and nowadays pharmaceutical drug products development challenges

09:45 – 10:15 **Jeff Chapman**

Senior Director CE Business Unit SCIEX, Brea, California, USA

Analysis of protein glycolysation of high biomedical importance by capillary electrophoresis and its combination with mass spectrometry

10:15 – 10:45 Coffee break

10:45 – 11:15 **Danilo Corradini**

Research Director, Italian National Research Council, Rome, Italy

Effects of metal ions, alkylamines and organic solvents on the separation of biomolecules by capillary electrophoresis

11:15 – 11:45 **Mercedes de Frutos**

Research Scientist, Department of Instrumental Analysis in the Institute of Organic Chemistry (IQOG) of Spanish Council Research (CSIC), Madrid, Spain

Analytical methodologies in the search of glycobiomarkers

11:45 – 12:15 **Károly Vékey**

Professor, Hungarian Academy of Sciences, Research Centre for Natural Sciences Budapest, Hungary

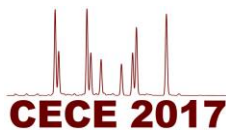
Protein glycosylation and mass spectrometry

12:15 – 14:15 Lunch break and Poster session /B-C corridor/

14:15 – 14:45 **Frantisek Foret**

Deputy Head, Institute of Analytical Chemistry of the Czech Academy of Sciences, Brno, Czech Republic

To interface or not to interface in CE-MS. One story, two points of view



14:45 – 15:15 András Gelencsér

Rector, University of Pannonia, Veszprém, Hungary

Bridging scales and disciplines: soot nanoparticles in the atmosphere

15:15 – 15:45 Norberto A. Guzman

Department of Immunoengineering-Bioanalysis Princeton Biochemicals, Inc. Princeton, New Jersey, USA

Advancements in miniaturized immunoaffinity capillary electrophoresis: shifting paradigms in bioanalysis to monitor wellness, disease, and treatment effectiveness

16:30 – 18:00 City tour for the invited speakers hosted by Andras Guttman

18:00 – 19:00 Wine tasting /B-C corridor/

Day 2 – Tuesday, 10 October, 2017 /Conference Center, Building B/

09:30 – 10:00 Svetlana M. Krylova

Senior Research Associate, Centre for Research on Biomolecular Interactions, York University, Toronto, Canada

Capillary electrophoresis-based analysis of enzymatic modifications of proteins and DNA

10:00 – 10:30 Sergey N. Krylov

Director, Centre for Research on Biomolecular Interactions, York University, Toronto, Canada

Prospectives of capillary electrophoresis in validation of molecular biomarkers of cancer

10:30 – 11:00 Coffee break

11:00 – 11:30 Katalin Medzihradzsky

Adjunct Professor, University of California, San Francisco, USA

Neglected post-translational modifications: extracellular O-glycosylation and phosphorylation

11:30 – 12:00 Marek Minarik

Director, Centre for applied genomics of solid tumors (CEGES), Genomac Research Institute Prague, Czech Republic

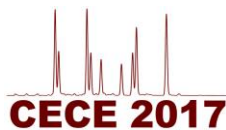
Cancer diagnosis and monitoring by CE-based liquid biopsy assay

12:00 – 14:00 Lunch break and Poster session /B-C corridor/

14:00 – 14:30 Herbert Lindner

Professor, Division of Clinical Biochemistry, Medical University of Innsbruck

Advances in the Separation of Co- and Post-translational Protein Modifications using CE-MS



CECE 2017

14:30 – 15:00 Pier Giorgio Righetti

Professor, Politecnico di Milano, Milano, Italy

A novel class of miniaturized sensors for bio-analysis

15:00 – 15:30 Maria Fernanda Silva

Principal Investigator, National University of Cuyo, Mendoza, Argentina

Novel approaches mediated by tailor-made green solvents for the characterization of biologically active compounds

15:30 – 16:00 Coffee break

16:00 – 16:30 Robert Weinberger

President at CE Technologies, Inc, New York, USA

Four decades of capillary electrophoresis

16:30 – 17:00 John R. Yates

Professor, Department of Chemical Physiology and Molecular and Cellular Neurobiology, The Scripps Research Institute, La Jolla, California, USA

TBA

17:15 – 18:30 Opening of Ervin sz. Kováts exhibition /Building I, 8th floor/

19:00 – 21:00 Conference dinner /B-C corridor/

21:00 – Wednesday morning Veszprém's night life welcome you!

Day 3 – Wednesday, 11 October, 2017 /Conference Center, Building B/

09:00 Opening of CECE Junior Session

09:00 – 09:30 Ferenc Kilár- Plenary Lecture

Professor, University of Pécs, Pécs, Hungary

How to develop capillary electrophoresis?

09:30 – 09:45 Hana Nevídalová

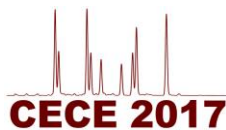
Department of Biochemistry, Masaryk University, Brno, Czech Republic

Comparison of four methods used for plasma protein-drug interaction studies

09:45 – 10:00 Cynthia Nagy

University of Debrecen, Department of Inorganic and Analytical Chemistry

Characterization of a microfluidic enzyme reactor for the rapid proteolysis of human tear samples



10:00 – 10:15 Vojtěch Ledvina

Faculty of Science, Masaryk University, Brno

Single-cell analysis of active caspase-3/7 in apoptotic cells

10:15 – 10:30 Brigitta Mészáros

Horváth Csaba Memorial Institute of Bioanalytical Research, University of Debrecen, Debrecen, Hungary

Developing of a high-resolution separation gel for protein analysis by CGE-MS

10:30 – 11:00 Coffee break

11:00 – 11:15 Máté Szarka

Horváth Csaba Memorial Institute of Bioanalytical Research, University of Debrecen, Debrecen, Hungary

In flight analysis of astronaut's serum immunoglobulins during deep space missions; the next leap in capillary electrophoresis

11:15 – 11:30 Jasna Hradski

Department of Analytical Chemistry, Faculty of Natural Sciences, Comenius University in Bratislava, Slovakia

Microchip electrophoresis with conductivity detection in the analysis of pharmaceutical and biological samples

11:30 – 11:45 Anikó Kilár

Institute of Bioanalysis, University of Pécs, Hungary

Phosphoglycolipid profiling of bacterial endotoxins

11:45 – 12:00 Kateřina Hanáková

National Centre for Biomolecular Research, Faculty of Science, Masaryk University, Brno, Czech Republic

Semiquantitative assessment of dishevelled 3 phosphorylation status by mass spectrometry

12:00 – 13:30 Lunch break and Poster session /B-C corridor/

Poster removal after lunch.

13:30 – 13:45 Tomas Vaclavek

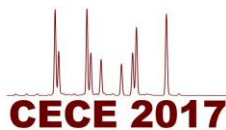
Department of Biochemistry, Faculty of Science, Masaryk University, Brno, Czech Republic

Microfluidic cell counting device based on resistive pulse sensing

13:45 – 14:00 Boglárka Dönczö

Horváth Csaba Memorial Institute of Bioanalytical Research, University of Debrecen, Debrecen, Hungary

Molecular glycohistopathology by capillary electrophoresis



14:00 – 14:15 Andrea Celá

Department of Biochemistry, Faculty of Science, Masaryk University, Brno, Czech Republic

On-capillary derivatizations of amino acids in capillary electrophoresis using naphthalene-2,3-dicarboxaldehyde/sodium cyanide

14:15 – 14:30 Beáta Borza

Horváth Csaba Memorial Institute of Bioanalytical Research, University of Debrecen, Debrecen, Hungary

Comparative N-Glycosylation Analysis of a Biosimilar and its Innovator Product by CE-LIF

14:30 – 14:45 Balázs Reider

MTA-PE Translational Glycomics Research Group, University of Pannonia, Veszprém, Hungary

TBA

14:45 – 14:50 CECE 2017 – Closing remarks: Andras Guttman and Herbert Lindner