



Tuesday, 24 <sup>th</sup> September, 2019	
9.00-10.30 (I group)	<b>WORKSHOPS</b> <b>Detection of a reduced monoclonal antibody (mAb) at low ng/ml concentration in biological samples by CESI-MS</b> (Venue: <i>Intercollegiate Faculty of Biotechnology UG &amp; MUG, Abrahamia 58 Str., 80-307 Gdańsk</i> )
11.00-12.30 (II group)	
9.00-12.00	<b>WORKSHOPS</b> <b>Introduction to R for bioanalysis</b> (Venue: <i>Hotel Mercure Gdańsk Stare Miasto, Jana Heweliusza 22 Str., 80-890 Gdańsk</i> )
12.00-13.30	<b>WORKSHOPS</b> <b>Sensitive and Selective LC-MS/MS tool for Bioanalytical Quantitation</b> (Venue: <i>Hotel Mercure Gdańsk Stare Miasto, Jana Heweliusza 22 Str., 80-890 Gdańsk</i> )

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10.00-14.00	<b>Registration</b>
14.00-14.15	<b>Opening ceremony</b>
	<b>OPENING SESSION</b> Chairman: Tomasz Bączek - Medical University of Gdańsk, Gdańsk, Poland
14.15-14.45 <b>PL</b>	<b>Some new functional materials and capillary array-based microanalytical devices for single step bioanalysis</b> Hideaki Hisamoto - Osaka Prefecture University, Osaka, Japan
14.45-15.15 <b>PL</b>	<b>Advances and challenges in developing reliable CE methods for biopharmaceuticals</b> Cari Sängér - Uppsala University, Uppsala, Sweden and ACROSS School of Chemistry, Hobart, Tasmania, Australia
15.15-15.40 <b>KN</b>	<b>The application of CE-MS in biopharma characterization and quantitation</b> Stephen Lock – AB SCIEX, Warrington, United Kingdom
15.40-16.00	<i>Coffee break</i>

	<b>SESSION No. 1</b> Chairman: András Guttman - University of Pannonia, Veszprem, Hungary
<b>16.00-16.25</b> <b>KN</b>	<b>Epitachophoresis – new way for large sample volume concentration and separation</b> František Foret - Institute of Analytical Chemistry, Czech Academy of Sciences, Brno, Czech Republic
<b>16.25-16.40</b>	<b>Microfluidic system for evaluation of insulin secretion from a three-dimensional pancreatic islet model</b> Zbigniew Brzózka - Warsaw University of Technology, Warsaw, Poland
<b>16.40-16.55</b>	<b>Liquid chromatography – triple quadrupole mass spectrometry for top-down quantitative analysis of low abundance intact proteins from biological samples</b> Kevin Schug - University of Texas Arlington, Arlington, USA
<b>16.55-17.15</b>	<i>Coffee break</i>
	<b>SESSION No. 2</b> Chairman: František Foret - Institute of Analytical Chemistry, Czech Academy of Sciences, Brno, Czech Republic
<b>17.15-17.40</b> <b>KN</b>	<b>Activation energy associated with the electromigration of proteins in capillary SDS gel electrophoresis</b> Prof. András Guttman - University of Pannonia, Veszprem, Hungary
<b>17.40-17.55</b>	<b>What colour is your method? A global evaluation of two capillary electrophoresis-based methods using the RGB additive colour model</b> Paweł Nowak - Jagiellonian University in Kraków, Kraków, Poland
<b>17.55-18.10</b>	<b>New analytical approaches for monitoring of inflammatory bowel diseases therapy</b> Katarina Marakova - Comenius University in Bratislava, Bratislava, Slovakia
<b>18.10-18.25</b>	<b>Capillary electrochromatography based novel in vitro tool for the assessment of blood-brain barrier permeability</b> Barbara Malawska - Jagiellonian University Medical College, Kraków, Poland
<b>18.30</b>	<b>Welcome reception</b>

<b>Wednesday, 25<sup>th</sup> September, 2019</b>	
<i>Venue: Hotel Mercure Gdańsk Stare Miasto, Jana Heweliusza 22 Str., 80-890 Gdańsk</i>	
	<b>SESSION No. 3</b> Chairman: Vaclav Kašička - Institute of Organic Chemistry and Biochemistry, Czech Academy of Sciences, Prague, Czech Republic
<b>9.00-9.25</b> <b>KN</b>	<b>The new Shimadzu LCMS QTOF-9030-uncompromised tool for bioanalysis</b> Marcin Gawryś – „SHIM-POL A.M. Borzymowski" E.Borzymowska-Reszka, A.Reszka Sp.j., Poland
<b>9.25-9.40</b>	<b>Study of amino acid profiles in patients undergoing stem cell transplantation – chemometric approach</b> Małgorzata Jaworska - National Medicines Institute, Warsaw, Poland
<b>9.40-9.55</b>	<b>Proteomic and metabolomic characterization of ovarian cancer</b> Jan Matysiak - Poznan University of Medical Sciences, Poznan, Poland
<b>9.55-10.10</b>	<b>Application of the UHPLC-MS/MS method for the interaction study of clopidogrel and statins in patients after coronary angiography/angioplasty</b> Marta Karaźniewicz-Łada - Poznań University of Medical Sciences, Poznań, Poland
<b>10.10-10.25</b>	<b>Complementary application of analytical methods for the development of medical implants</b> Thomas Eickner - University Medical Center Rostock, Rostock, Germany

10.25-10.45	<i>Coffee break</i>
	<b>SESSION No. 4</b> Chairman: Barbara Malawska - Jagiellonian University Medical College, Kraków, Poland
10.45-11.10 KN	<b>Investigation of (bio)molecular interactions by affinity capillary electrophoresis</b> Prof. Vaclav Kašička - Institute of Organic Chemistry and Biochemistry, Czech Academy of Sciences, Prague, Czech Republic
11.10-11.25	<b>Capillary electrophoresis studies of neuroprotection activity of Tat peptides</b> Piotr Mucha - University of Gdańsk, Gdańsk, Poland
11.25-11.40	<b>The use of the HS-SPME/GC-MS technique to study interactions involving volatile organic compounds at the plant-microbe interface</b> Małgorzata Waleron - Medical University of Gdańsk, Gdańsk, Poland
11.40-11.55	<b>Bayesian multilevel modeling in chromatography</b> Paweł Wiczling - Medical University of Gdańsk, Gdańsk, Poland
11.55-12.15	<i>Coffee break</i>
	<b>SESSION No. 5</b> Chairman: Jan Matysiak - Poznan University of Medical Sciences, Poznan, Poland
12.15-12.40 KN	<b>Identification of natural dyes in historic objects by miniaturized separation techniques</b> Michał Szumski - Nicolaus Copernicus University, Toruń, Poland
12.40-12.55	<b>Application of chromatographic methods to the assessment of food supplements quality and safety</b> Małgorzata Grembecka - Medical University of Gdańsk, Gdańsk, Poland
12.55-13.10	<b><i>Cistus incanus</i> L. commercial products as a good source of polyphenols in human diet</b> Agnieszka Viapiana - Medical University of Gdańsk, Gdańsk, Poland
13.10 – 14.10	<i>Lunch break</i>
14.10 – 15.30	<b>Poster session</b>
	<b>YOUNG SCIENTIST SESSION</b>
	<b>ROOM No. 1</b> Chairman: Doo Soo Chung - Seoul National University, Seoul, Korea
15.30-15.55 KN	Vladimír Pätoprstý - Slovak Academy of Sciences, Bratislava, Slovakia
15.55-16.05	<b>Capillary electrophoresis based glycan analysis of tryptic digested serum proteins separated by hydrophilic interaction liquid chromatography</b> Balazs Reider - University of Pannonia, Pannonia, Hungary
16.05-16.15	<b>Environmental threats in preeclampsia - old observations and new conclusions</b> Katarzyna Gajewska - Medical University of Lublin, Lublin, Poland
16.15-16.25	<b>Multicapillary gel electrophoresis analysis of N-glycans</b> Beata Borza - University of Debrecen, Debrecen, Hungary and University of Pannonia, Veszprem, Hungary
16.25-16.35	<b>Analytical study of photodegradation and phototoxicity of two antihistaminic drugs, emedastine and ketotifen</b> Paweł Kozyra - Medical University of Lublin, Lublin, Poland and Medical University of Lublin Student's Special Interest Groups, Lublin, Poland

	<b>ROOM No. 2</b> Chairman: Cari Sanger - Uppsala University, Uppsala, Sweden and ACROSS School of Chemistry, Hobart, Tasmania, Australia
<b>15.30-15.45</b>	<b>Application of novel 3D printing techniques and materials in sample preparation</b> Szymon Ulenberg - Medical University of Gdańsk, Gdańsk, Poland
<b>15.45-15.55</b>	<b>Developing separation gels and methods for the analysis of biotherapeutic proteins via capillary-SDS gel electrophoresis coupled electrospray ionization mass spectrometry</b> Daniel Sarkozy - University of Debrecen, Debrecen, Hungary
<b>15.55-16.05</b>	<b>Glycomic analysis of human serum from lung cancer, COPD and their comorbidity patients by capillary electrophoresis</b> Brigitta Meszaros - University of Debrecen, Debrecen, Hungary
<b>16.05-16.15</b>	<b>Phenolic composition, antioxidant activity and acetylcholinesterase inhibitory of <i>Morus alba L.</i> commercial samples. A comparative study</b> Milena Polumackanycz - Medical University of Gdańsk, Gdańsk, Poland
<b>16.15-16.25</b>	<b>Drug delivery systems for medical applications</b> Małgorzata Borowska - Gdańsk University of Technology, Poland
<b>16.25-16.35</b>	<b>Ionic liquids as amplifiers of extraction efficiency of selected biogenic amines from urine samples before capillary electrophoresis separation</b> Natalia Kossakowska - Medical University of Gdańsk, Gdańsk, Poland
<b>18.00-19.30</b>	<i>Galleon Cruise to Westerplatte</i>
<b>20.30-23.00</b>	<b>Conference dinner</b>

<b>Thursday, 26<sup>th</sup> September, 2019</b>	
Venue: <i>Hotel Mercure Gdańsk Stare Miasto, Jana Heweliusza 22 Str., 80-890 Gdańsk</i>	
	<b>SESSION No.6</b> Chairman: Emmanuelle Lipka - University of Lille, Lille, France
<b>9.00-9.25</b> <b>KN</b>	<b>Electromigration techniques in metabolomics studies</b> Michał Markuszewski - Medical University of Gdańsk, Gdańsk, Poland
<b>9.25-9.40</b>	<b>A capillary electrophoresis assay for the determination of lactate in human vitreous humor for forensic applications</b> Anna Bertaso - University of Verona, Verona, Italy
<b>9.40-9.55</b>	<b>Human pharmaceuticals in the environment</b> Jolanta Kumirska - University of Gdansk, Gdańsk, Poland
<b>9.55-10.10</b>	<b>Saliva and new methods of determining the level of drugs in the body</b> Ewelina Dziurkowska - Medical University of Gdańsk, Gdańsk, Poland
<b>10.10-10.30</b>	<i>Coffee break</i>
	<b>SESSION No. 7</b> Chairman: Michał Markuszewski - Medical University of Gdańsk, Gdańsk, Poland
<b>10.30-10.55</b> <b>KN</b>	<b>Field-effect electroosmotic flow patterning as a mechanism for diffusion-based separation</b> Moran Berkovici - Israel Institute of Technology, Haifa, Israel

10.55-11.10	<b>A first point of care test for carbohydrate-deficient transferrin (CDT) based on fluorescence resonance energy transfer (FRET)</b> Giacomo Musile - University of Verona, Verona, Italy
11.10-11.25	<b>Quantitation and purity assessment of extracellular vesicles in isolates from <i>Pectobacterium carotovorum</i> sp. culturing media using capillary zone electrophoresis</b> Szymon Dziomba - Medical University of Gdańsk, Gdańsk, Poland
11.25-11.40	<i>Coffee break</i>
	<b>CLOSING SESSION</b> Chairman: Tomasz Bączek - Medical University of Gdańsk, Gdańsk, Poland
11.40-12.10 <b>PL</b>	<b>Development, evaluation and comparison of capillary electrophoresis, high performance liquid chromatography and supercritical fluid chromatography methods for chiral separation</b> Emmanuelle Lipka - University of Lille, Lille, France
12.10-12.40 <b>PL</b>	<b>Synergistic coupling of in-line single drop microextraction and on-line large volume sample stacking for capillary electrophoresis/mass spectrometry</b> Doo Soo Chung - Seoul National University, Seoul, Korea
12.40-13.00	<b>Closing Ceremony</b>
13.00	<i>Farewell reception</i>

**PL** – Plenary Lecture

**KN** – Keynote