

## Program of Symposium

### 25. 6. 2018 Flow Analysis

<b>8:30 - 9:15</b>	<b>Registration</b>			
<b>9:00 - 9:15</b>	<b>Opening ceremony - Prof. Petr Solich and Prof. Paweł Kościelniak</b>			
<b>9:15 - 12:00</b>	<b>Session Flow Analysis 1 – Assoc Prof. Hana Sklenářová and Prof. Spas Kolev</b>			
<b>KL1</b>	9:15	9:45	S. Kolev	Flow analysis determination of arsenate using on-line extraction and gas-diffusion membrane-based separation
<b>IL1</b>	9:45	10:10	H. Sklenářová	Sequential injection analysis as a monitoring tool
<b>IL2</b>	10:10	10:35	S. Kalinowski	Direct-injection detectors in flow analysis
	10:35	11:00	<i>Break</i>	
<b>L1</b>	11:00	11:20	K. Strzelak	Flow system and analytical strategies for immunoprecipitation measurements
<b>L2</b>	11:20	11:40	M. Fiedoruk-Pogrebniak	Paper-based device for simultaneous determination of calcium and phosphate ions
<b>L3</b>	11:40	12:00	D. Cocovi-Solberg	In-line carbon nanofiber reinforced hollow fiber-mediated liquid phase microextraction using a 3D printed extraction platform as a front end to liquid chromatography for automatic sample preparation and analysis: A proof of concept
<b>12:00 - 13:30</b>	<b>Lunch</b>			
<b>13:30 - 14:45</b>	<b>Session Flow Analysis 2 – Prof. Víctor Cerdà and Dr. Burkhard Horstkotte</b>			
<b>KL2</b>	13:30	14:00	V. Cerdà	AutoAnalysis: A software package for laboratory automation
<b>IL3</b>	14:00	14:25	B. Horstkotte	Looking critically upon the youngest member(s) of the flow technique family
<b>L4</b>	14:25	14:45	M. Michalec	Open-source hardware 3D-printed flow analysis platform for hemodialysis monitoring
<b>14:45 - 15:00</b>	<b>Break</b>			
<b>15:00 - 17:00</b>	<b>Workshop on Flow Analysis</b>			
<b>W1</b>	15:00	16:30	V. Cerdà, B. Horstkotte, P. Chocholouš	3D printing, laboratory automation
<b>17:30-18:30</b>	<b>Sightseeing tour - city center</b>			

## 26. 6. 2018 Flow Analysis + Capillary Electrophoresis

8:30 - 9:00	Registration			
9:00 - 12:00	Session Flow Analysis 3 + Capillary Electrophoresis 1 – Prof. A. Garcia-Campaña and Dr. Marcin Wieczorek			
KL3	9:00	9:30	A. Garcia-Campaña	Capillary electrophoresis coupled with mass spectrometry: an efficient alternative for the determination of contaminant residues in foods
IL4	9:30	9:55	M. Woźniakiewicz	Investigation of acid dissociation constants and octanol-water partition coefficients of synthetic cathinones using capillary electrophoresis
IL5	9:55	10:20	P. Chocholouš	Flow analysis methods for sample extraction and separation
	10:20	10:40	Break	
L5	10:40	11:00	M. Wieczorek	Automated flow manifold dedicated to electrochemical analysis based on the capacitance measurements
L6	11:00	11:20	S. Koronkiewicz	Photometric determination of iron(II) in pharmaceutical formulations using double-beam direct-injection detector integrated with multi-pumping flow system
L7	11:20	11:40	J. Paluch	Development of methods for two-component analysis using flow techniques
L8	11:40	12:00	I. Horstkotte Šrámková	Sequential injection analysis and 3D-printing in screening of extraction properties of nanofiber
12:00 - 13:30	Lunch			
13:30 - 14:45	Session Flow Analysis 4 + Capillary Electrophoresis 2 – Short Lectures – Dr. Petr Chocholouš			
SL1	13:30	13:42	J. Bzura	Flow analysis system for urease activity determination
SL2	13:42	13:54	J. Skoczek	Enzyme activity assays in flow analysis format using optoelectronic detector of nitrophenol
SL3	13:54	14:06	M. Granica	Different strategies for determination of redox species in paper-based analytical devices.
SL4	14:06	14:18	M. Gładysz	The application of micellar electrokinetic chromatography capillary in analysis of red lipsticks
SL5	14:18	14:30	M. Dębosz	The gradient ratio flow-injection technique used for elimination of additive interference effects
SL6	14:30	14:42	A. Pereira	Histamine determination using potentiometric detection coupled to sequential injection analysis
14:45 - 15:00	Break			
15:00 - 17:00	Posters session			
P1	M. Gładysz		Sample stacking mode in MEKC as a powerful toll used for decrease of questioned document destruction	
P2	M. Świądro		Development of the new method for drug detection based on the conjunction of Dried Blood Spot method and Capillary Electrophoresis	
P3	L. Kukoč Modun		Development of Flow Injection and Sequential Injection Methods for the Determination of N-Acetyl-L-Cysteine Ethyl Ester (NACET) Generating Chromogenic Copper(I)Ln Complexes With Different Ligands	
P4	M. Pokrzywnicka		3D-printed flow-through PEDD optosensor with dithizone membrane. Proof of concept.	
P5	E. Nalewajko-Sieliwoniuk		Flow injection method with chemiluminescence detection for the determination of silver nanoparticles	
P6	J. Kozak		Versatile flow system for titration	
P7	S. Fernandes		Chromatographic method for monitoring of dipyrone and diclofenac in water samples	
P8	S. Marques		Immunopurification of nanoparticles under lab-on-valve format	
P9	D. Cocovi-Solberg		Novel automatic in-vitro methods for on-line assessment of the gastrointestinal bioaccessibility of micronutrients from food commodities	
P10	D. Cocovi-Solberg		Assessment of the distribution of emerging contaminants across the cellular membrane using a very simple unmaned fluidic system	
P11	K. Danchana		Automatic determination of free and total sulfites in wines	
17:30 -	Conference dinner			

## 27. 6. 2018 Capillary Electrophoresis

<b>9:00 - 12:00</b>	<b>Session Capillary Electrophoresis 3 – Prof. František Švec and Prof. Andras Guttman</b>			
<b>KL4</b>	9:00	9:30	A. Guttman	New Advances in Comprehensive Glycosylation Analysis of Biopharmaceuticals
<b>IL6</b>	9:30	9:55	F. Švec	Monolithic stationary phases with layered chemistries for capillary electrochromatographic (CEC) separations of basic proteins and peptides at neutral pH
<b>IL7</b>	9:55	10:20	K. Jooß	CE-CE-MS to run compounds out of “MS-incompatible” electrolytes
	10:20	10:40	<i>Break</i>	
<b>L9</b>	10:40	11:00	Z. Zajíčková	Organic-silica sol-gel monoliths for applications in capillary liquid chromatography
<b>L10</b>	11:00	11:20	D. Moreno-Gonzales	Sensitive micellar electrokinetic chromatography-tandem mass spectrometry using sheathless porous-tip interfacing for the determination of carbamate pesticides
<b>L11</b>	11:20	11:40	S. Dziomba	Capillary zone electrophoresis of synthetic and biological nanoparticles under dynamic coating conditions
<b>L12</b>	11:40	12:00	M. Król	The application of capillary electrophoresis to inks examination
<b>12:00 - 13:30</b>	<b>Lunch</b>			
<b>13:30 - 14:45</b>	<b>Session Capillary Electrophoresis 4 – Prof. Gerhard Scriba and Dr. Pavel Jáč</b>			
<b>KL5</b>	13:30	14:00	G. Scriba	CE Enantioseparations and Application to the Determination of the Stereoisomeric Purity of Drugs
<b>IL8</b>	14:00	14:25	P. Dubský	Advances and trends in software for electrophoresis: from data processing to computer modelling
<b>L13</b>	14:25	14:45	P. Nowak	Chiral separation of substituted cathinones by cyclodextrin-assisted capillary electrophoresis and examination of changes in the acid-base properties induced by cyclodextrins
<b>14:45 - 15:00</b>	<b>Break</b>			
<b>15:00 - 17:00</b>	<b>Workshop on Capillary Electrophoresis</b>			
<b>W2</b>	15:00	17:00	P. Jáč, P. Dubský, M. Dvorníková	Capillary Electrophoresis Enantioseparations with Cyclodextrins as Chiral Selectors - Choice of Separation Conditions / PeakMaster and Simul software