SMCBS'2017 Programme

Friday, November 3

09:00-16:00	Registration at IPC PAS
12:00-13:00	Lunch at IPC PAS
13:00-19:00	Transfer to Żelechów / Arrival
14:00-	Setting up posters
19:00-20:00	Dinner
20:00- 21:20	Evening session Chairs: Alexander Kuhn and Serena Arnaboldi
21:20	Chairs: Alexander Kuhn and Serena Arnaboldi
21:20 20:00- T01	Chairs: Alexander Kuhn and Serena Arnaboldi Frank Marken
21:20 20:00- T01 20:40	Chairs: Alexander Kuhn and Serena Arnaboldi Frank Marken Current Rectification and Diodes in Membrane Electrochemistry
21:20 20:00- T01 20:40 20:40- K01	Chairs: Alexander Kuhn and Serena Arnaboldi Frank Marken Current Rectification and Diodes in Membrane Electrochemistry Kamil Wojciechowski
21:20 20:00- T01 20:40 20:40- K01 21:00	Chairs: Alexander Kuhn and Serena Arnaboldi Frank Marken Current Rectification and Diodes in Membrane Electrochemistry Kamil Wojciechowski Interaction of Biosurfactants with Lipid Membranes

Saturday, November 4

08:00-09:00	Breakfast
09:00- 10:30	Morning session 1 Chairs: Frank Marken and Kamil Wojciechowski
09:00- T02 09:40	Lars J.C. Jeuken Supramolecular Electrode Assemblies in Bioelectrochemistry
09:40- K03 10:00	Alain Walcarius Electrogeneration of Mesoporous Silica Films with Vertically Ordered Nanochannels for Chemical Sensing
10:00- SC01 10:15	Pavel Zhurauski Self-assembled Gold Nanoparticles for Impedimetric and Amperometric Detection of a Prostate Cancer Biomarker
10:15- SC02 10:30	Fangyuan Zhao A Solar Nernstian Biosupercapacitor Based on Cyanobacterial Photosynthetic Complexes
10:30-11:00	Coffee break

11:00-		Morning session 2
12:50		Chairs: Lars J. C. Jeuken and Hanna Radecka
11:00-	T03	Paweł Krysiński
11:40	103	Surface- and Core-Modified Nanoferrites as Tools for Magnetic Field-
11.40		Assisted Targeted Drug Delivery
11:40-	K04	Tan-Phat Huynh
12:00	KU4	•
12:00		Precipitation of Inorganic Phases Through a Photoinduced pH Jump: from Vaterite Spheroids and Shells to ZnO Flakes and Hexagonal Plates
12:00-	K05	Barbara Jachimska
12:00- 12:20	KUS	
12:20		Self-assembling Behavior of Proteins: Effect of the Interaction between
12.20	CCO2	Protein and Surface
12:20-	SC03	Stanislav Trashin
12:35		Towards Point-of-Care diagnostic of Toxocariasis: Electrochemical and
12.25	0004	Photoelectrochemical Magnetosensor with Nanobodies
12:35-	SC04	Kamila Łępicka
12:50		A Multi-composite Supercapacitor with a Dual Anode and a Dual
		Cathode
13:00-1	14:30	Group photo and Lunch
14-20		10.
14:30-		Afternoon session 1
14:30- 16:20		Afternoon session 1 Chairs: Paweł Krysiński and Tan-Phat Huynh
16:20	TO 4	Chairs: Paweł Krysiński and Tan-Phat Huynh
16:20 14:30-	T04	Chairs: Paweł Krysiński and Tan-Phat Huynh Alexander Kuhn
16:20 14:30- 15:10		Chairs: Paweł Krysiński and Tan-Phat Huynh Alexander Kuhn Chiral Recognition with Tailored Porous Metal Layers
16:20 14:30- 15:10 15:10-	T04 K06	Chairs: Paweł Krysiński and Tan-Phat Huynh Alexander Kuhn Chiral Recognition with Tailored Porous Metal Layers Alessandra Maria Bossi
16:20 14:30- 15:10		Chairs: Paweł Krysiński and Tan-Phat Huynh Alexander Kuhn Chiral Recognition with Tailored Porous Metal Layers Alessandra Maria Bossi Molecularly Imprinted Nanomaterials Targeting Linear and Structured
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16:20 14:30- 15:10 15:30- 15:30- 15:50- 16:10	K06 K07 K08	Chairs: Paweł Krysiński and Tan-Phat Huynh Alexander Kuhn Chiral Recognition with Tailored Porous Metal Layers Alessandra Maria Bossi Molecularly Imprinted Nanomaterials Targeting Linear and Structured Peptides Andrew James Gross Buckypaper Bioelectrodes: Emerging Materials for Implantable and Wearable Bioelectronics Devices Gerd-Uwe Flechsig Structure of DNA Layers on Gold Surfaces Studied by Millisecond-resolved EQCM and H/D Kinetic Isotope Effects
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16:20 14:30- 15:10 15:10- 15:30- 15:50- 16:10-	K06 K07 K08 SC05	Chairs: Paweł Krysiński and Tan-Phat Huynh Alexander Kuhn Chiral Recognition with Tailored Porous Metal Layers Alessandra Maria Bossi Molecularly Imprinted Nanomaterials Targeting Linear and Structured Peptides Andrew James Gross Buckypaper Bioelectrodes: Emerging Materials for Implantable and Wearable Bioelectronics Devices Gerd-Uwe Flechsig Structure of DNA Layers on Gold Surfaces Studied by Millisecond-resolved EQCM and H/D Kinetic Isotope Effects Felipe Conzuelo Evaluation of (Bio)photocatalysts for Energy Conversion by Means of

17:00- 18:50		Afternoon session 2 Chairs: Alessandra M. Bossi and Trashin Stanislay
17:00-	T05	Jacek Lipkowski
17:40	103	Application of IR Spectroscopy to Study Thin Films of Biomolecules at
17.40		the Electrified Metal-Solution Interface
17:40-	K09	Fred Lisdat
18:00		Cytochrome c as Valuable Building Block in Multilayered Architectures
		of Biocatalysts on Electrodes
18:00-	K10	Wolfgang Kaiser
18:20		Surface-immobilized Electrically Actuated DNA Layers for the
		Measurement of Binding Kinetics, Stokes Radius and Conformational
		Changes of Proteins
18:20-	SC06	Adam Kolodziej
18:35		Electrochemical Stability of Thiols and Disulfides Assembled on Gold in
		Physiological Medium
18:35-	SC07	Laurent Bouffier
18:50		Straightforward Control of Chemical Surface Gradients by Wireless
		Electrochemistry

19:00-20:00 Dinner

20:00-22:00 Poster session

Sunday, November 5

08:00-09:	00	Breakfast
09:00- 10:30		Morning session 1 Chairs: Mathieu Etienne and Gerd-Uwe Flechsig
09:00- T	'06	Karsten Haupt
09:40		Micro and Nanofabricated Molecularly Imprinted Polymers for
		Bioanalysis, Biosensing and Bioimaging
09:40- K	11	Piyush Sindhu Sharma
10:00		Designed Electroactive Functional Monomers for Providing Desired
		Selectivity in Electrochemical Molecular Imprinting
10:00- S	C08	Carlo Gonzato
10:15		Molecularly Imprinted Films on Interdigitated Electrodes via Photo-
		iniferter Polymerization under Visible Light
10:15- S	C09	Zofia Iskierko
10:30		Epitope Imprinting for Selective Gluten Determination
10:30-11:	00	Coffee break

11:00- 12:50		Morning session 2 Chairs: Karsten Haupt and Alain Walcarius
11:00-	T07	Andrzej Lewenstam
11:40		Sensing Ion Fluxes Through Artificial and Biological Membranes and
		their Interfaces
11:40-	K12	Nicolas Plumere
12:00		Charge Recombination in Biophotoelectrodes
12:00-	K13	Karolien De Wael
12:20		Singlet Oxygen Based Electrosensing
12:20-	SC10	Serena Arnaboldi
12:35		Optimizing the Electrodeposition Protocol of Enantioselective
		Inherently Chiral Electrode Surfaces: a Multi-Technique Investigation
12:35-	SC11	Vitali Scherbahn
12:50		Wide-Field Surface Plasmon Microscopy for Detection of Biological
		Nano-/Microparticles
13:00-1	4:30	Lunch
14:30-		Afternoon session 1
15:45		Chairs: Andrzej Lewenstam and Karolien De Wael
14:30-	K14	Pawel Kulesza
14:50		Charge Propagation in Electroactive Materials: Diagnosis of
		Mechanisms and Dynamics with Microelectrochemical Devices
14:50-	K15	Gidi Shani
15:10		Sensors for Breath Testing: From Nanomaterials and Surface
		Modifications to Comprehensive Disease Detection
15:10-	K16	Sławomir Sęk
15:30		Activity of Lipopeptides Toward Biomimetic Lipid Films
15:30-	SC12	Mariano Garcia-Soto
15:45		Polymer-coated Gold Nanoparticles
15:45-		Social program
20:00-2	22:00	Dinner/Banquette

Monday, November 6, 2017

08:00-0	9:00	Breakfast
09:00- 10:30		Morning session 1 Chairs: Sławomir Sęk and Jingyuan Chen
09:00-	T08	Sergey Shleev
09:40		Biosupercapacitors
09:40-	K17	Patrizia R. Mussini
10:00		Strategies for High Enantioselectivity at Electrode Surfaces:
		Implementing Inherent Chirality in Electroactive Thin Films or
		Electrode (Ionic Liquid) Interfaces
10:00-	SC13	Sebastian Mackowski
10:15		Wide-Field Fluorescence Microscopy of Real-time Conjugation Sensing
10:15-	SC14	Michal Kizling
10:30		Size Dependence of Gold Clusters Roles in Processes Catalyzed by
		Redox Enzymes
10:30-1	1:00	Coffee break
11:00-		Morning session 2
12:50		Chairs: Sergey Shleev and Patrizia R. Mussini
11:00-	T09	Krzysztof Winkler
11:40		Formation, Characterization, and Application of 1-D Polypyrrole
		Structures
11:40-	K18	Mathieu Etienne
12:00		Electroactive Artificial Biofilms
12:00-	K19	Klaus Mathwig
12:20		Fluorescent and Electrochemical Sensing Confined in Nanofluidic
		Channels
12:20-	SC15	Maciej Cieplak
12:35		Self-reporting Molecularly Imprinted Polymer for Label-free Selective
		Electrochemical Sensing of <i>p</i> -Synephrine
12:35-	SC16	Roberto Ortiz
12:50		Direct Electrochemistry of Cellobiose Dehydrogenases onto Gold
		Nanoparticle Modified Gold Electrodes-The role of surface charges
13:00-1	4:30	Lunch
14:30-		Afternoon session 1
16:25		Chairs: Krzysztof Winkler and Sebastian Mackowski
14:30-	T10	Francis D'Souza
15:10	-	Artificial Photosynthesis: Surface Modified Biomimetic Materials for
-		Light Capture, Charge Separation, and Fuel Production
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15:10- K20	Wojciech Nogala
15:30	Nanoelectrodes for Determination of Silver Species in Biological Cells
15:30- K21	Ilaria Palchetti
15:50	Nanostructured Electrochemical Platforms for the Detection of
	Clinically Relevant Molecules
15:50- K22	Munetaka Oyama
16:10	Electrochemical Characteristics of Palladium Nano- or Micro-particles
	Modified Electrodes
16:10- SC17	Magdalena Michalak
16:25	Micropattering of Bare Metallic Nanostructures and their
	Electrocatalytic Studies in Alkaline Media. SECM pH mapping
16:25-17:00	Coffee break
17:00-	Afternoon session 2
19:10	Chairs: Francis D'Souza and Wojciech Nogala
17:00- T11	Gary Blanchard
17:40	Using Ionic Liquids to Control Interface Properties over Macroscopic
17.10	Distances
17:40- K23	Camelia Bala
18:00	Versatility and Challenges in the Design of Biosensors for Food
	Security
18:00- K24	Vladimir Mirsky
18:20	Detection of Nano- and Microparticles of Engineered and Biological
	Origin by Wide-field Surface Plasmon Microscopy
18:20- SC18	Marcin Holdynski
18:35	Collisions of Suspended Prussian Blue Nanoparticles with Rotating
	Disk Electrode
18:35- SC19	Michael Füeg
18:50	Towards Mechanistic Understanding of Silver Nanoparticle Formation
	Catalyzed by Geobacter sulfurreducens
19:00-20:00	Dinner
21:00-	Disco

Tuesday, November 7

08:00-09:00	Breakfast
09:00- 10:30	Morning session 1 Chairs: Vladimir Mirsky and Gary Blanchard
09:00- T12 09:40	Ambra Giannetti Spatially-selected Optical Microbubble Resonators for Biomolecule Immobilization
09:40- K25 10:00	Gabriela Almeida Construction of Electrochemical Biosensors for Nitrite Detection: Needs, Challenges and Perspectives
10:00- SC20 10:15	Jan Hrbac Electrode Modification by Metal-derived Nanostructures using Interelectrode Material Transfer and Spark Discharges
10:15- SC21 10:30	Bhavana Gupta Wireless Actuation of Conducting Polymers
10:30-11:00	Coffee break
11:00- 12:10	Morning session 2 Chairs: Gabriela Almeida and Ilaria Palchetti
12:10 11:00- T13	Chairs: Gabriela Almeida and Ilaria Palchetti Lo Gorton Electrochemical Communication Between Photosynthetic
12:10 11:00- T13 11:40 K26	Chairs: Gabriela Almeida and Ilaria Palchetti Lo Gorton Electrochemical Communication Between Photosynthetic Membranes/Cells and Electrodes for Harvesting Solar Energy Jingyuan Chen High-response Conducting Films Made of Suspensions of Polyaniline-
12:10 11:00- T13 11:40 11:40- K26 12:00	Chairs: Gabriela Almeida and Ilaria Palchetti Lo Gorton Electrochemical Communication Between Photosynthetic Membranes/Cells and Electrodes for Harvesting Solar Energy Jingyuan Chen High-response Conducting Films Made of Suspensions of Polyaniline-coated Graphene