

127<sup>th</sup> ICB SEMINAR SCIENTIFIC PROGRAMME, 18-19 October 2012

Thursday, 18 October 2012		
9.00-9.15		<b>Welcome address – Prof. Jan M. Wójcicki</b>
	<b>Session 1 Chair: Prof. Władysław Torbicz</b>	<b>DNA-based Biosensors</b>
9:15-10.00	Marco Mascini	Peptide and Oligonucleotides Aptamers as New Ligands for Analytical Chemistry
10:00-10.30	Giuseppe Spoto	Detection of Non-amplified Human Genomic DNA by Surface Plasmon Resonance Imaging
10.30-11.00		<b>Coffee break 30 mins</b>
	<b>Session 1 Chair: Prof. Marco Mascini</b>	<b>DNA-based Biosensors</b>
11.00-11.45	Fred Lisdat	Sensorial DNA Analysis and DNA Binding Detection
11.45-12.15	Dario Compagnone	Detection of Genotoxic Compounds via DNA-sensing
<b>12.15-13.15</b>		<b>LUNCH 60 mins</b>
	<b>Session 2 Chairs: Prof. Fred Lisdat Prof. Dario Compagnone</b>	<b>Biosensors</b>
13.15-13.45	Florence Lagarde	Cell-based Electrochemical Biosensors for Environmental Monitoring. What's New?
13.45-14.15	Nickolaj F. Starodub	Biosensors in the System of the Analytical Approaches for the Express Control of Surfactant Derivatives in Environment to Prevent Non-desirable Effects
14.15-14.45	Hafsa Korri-Youssoufi	Diagnosis of Deep Vein Thrombosis Based on Electrochemical Detection of D-Dimer
14.45-15.15		<b>Coffee break 30 mins</b>
	<b>Session 2 Chairs: Prof. Fred Lisdat Prof. Dario Compagnone</b>	<b>Biosensors</b>
15.15-15.45	Maria Jose F. Rebelo	Polyphenolic Biosensors Interferences. The Gallic Acid Case
15.45-16.15	Aldo Roda In lieu: Elisa Michelini	Multiplexing Luminescent Biosensors by Chemical, Electrochemical and Thermal Signal Triggering
Friday, 19 October 2012		
	<b>Session 3</b>	<b>Field Effect-based Sensors</b>

	<b>Chair: Prof. Danny Wen-Yaw Chung</b>	
9:00-9.30	Piotr Grabiec In lieu: Krzysztof Domański	Micro and Nano-systems for Chemical Biochemical Analysis and Diagnostics
9.30-10.00	Chia-Ming Yang	Methods to Modify Ion Sensitivity of EIS and ISFETs
10.00-10.30	Michael J. Schöning, Arshak Paghossian, In lieu: Marcel Leinhos	Real-time <i>in vitro</i> Electrical Monitoring of Biopolymer Degradation with Field-effect Devices
10.30-11.00		<b>Coffee break 30 mins</b>
	<b>Session 4 Chair: Prof. Wouter Olthuis</b>	<b>Micro- and Nano- biostructures</b>
11.00-11.45	Nicole Jaffrezic-Renault	Nanomaterials-based biosensors
11.45-12.15	Loredana De Bartolo	Micro- and Nano-structured Membrane Biohybrid Systems for Tissue Engineering
12.15-12.45	Barbara Wawro, Dorota Pijanowska, Władysław Torbicz	Micro-bioreactors for Cell Culturing
12.45-13.45		<b>LUNCH 60 mins</b>
	<b>Session 5 Chair: Prof. Nicole Jaffrezic-Renault</b>	<b>Biosensors Systems and Microsystems</b>
13.45-14.30	Wouter Olthuis	Lab-on-a-Chip Systems for Medical Applications: Drug Metabolism and Spermatozoa Concentration Studies
14.30-15.00	Jan A. Dziuban In lieu: Rafał Walczak	Lab-on-a-chip with Optical Detection – Examples of Memslab Works
15.00-15.30		<b>Coffee break 30 mins</b>
	<b>Session 5 Chair: Prof. Dorota Pijanowska</b>	<b>Biosensors Systems and Microsystems</b>
15.30-16.00	Danny Wen-Yaw Chung	The System Build-up of a Magnetic Bead-based Immunoassay
16.00-16.30	Leszek J. Golonka	LTCC-based Microfluidic Systems with Optical Detection
16.30-17.00	Renata Bilewicz, Jan F. Biernat	Wiring Red-ox Enzyme with Electrode in Biofuel Cells
17.00-17.10		<b>Closing remarks (10 mins)</b>
17.10-17.30		<b>Farewell Coffee (20 mins)</b>