

**Schedule for the 9th workshop on (Bio)sensors and  
Bioanalytical microtechniques in environmental and clinical analysis**

Monday June 15th, 2009 – **POSTER SESSION I – from 10 :30 – 11 :10 ; 14 :30 – 15 :30; 17 :30 – 18 :30**

Poster Number	Board	Presenter	Title	Affiliation
<b>Microarrays and biochips</b>				
MB1	1	P. J. Asiello	Surface modification of polymer microdevices designed for micro-NASBA	Cornell Univ., USA
MB2	2	N. M. Eleftheriou	Sol-Gel Derived 3D Reporter Gene Cell Microarrays	McMaster Univ., Canada
MB3	3	N. S. Osin	Microplate Format Based Biochips with Phosphorescent Signal Detection	State R&D Inst. Bioeng., Moscow, Russia
MB4	4	A. Shabani	Impedimetric Detection of Anthracis Bacteria Using Bacteriophage-Modified Carbon Microarrays	Biophage Pharma, Canada
<b>Pathogen</b>				
PA1	5	K. Miyajima	A fiber-optic fluorescent immunoassay for a flow-measurement of E. coli O157:H7	Tokyo Medical and Dental Univ., Japan
PA2	6	N. Glass	Phage functionalized microcantilever resonators for highly specific detection of bacteria	NINT, Alberta, Canada
PA3	7	O. Scheler	High sensitivity detection of Streptococcus pneumoniae tmRNA molecules by NASBA-microarray	Univ. of Tartu / Estonian Biocentre, Estonia
PA4	8	N. Tawil	Phage-based biosensor for detection of Methicillin-Resistant Staphylococcus Aureus	Biophage Pharma, Canada
PA5	9	K. Hibi	Determination system for harmful bacteria using immunomagnetic separation with a light emitting diode	Tokyo Univ. Marine Science and Tech., Japan
<b>Electrochemical</b>				
EC1	10	S. Andreescu	Highly Selective Implantable Electrochemical Sensor for in-vivo Monitoring of NO	Clarkson Univ., USA
EC2	11	Y. A. Glazyrina	Electrochemical immunosensor for Salmonella typhimurium based on magnetic nanoparticles	Ural State Univ. Economics, Russia
EC3	12	S. Centi	Detection of several protein biomarkers by aptasensors	Univ. Firenze, Italy
EC4	13	N. Chivu	Modeling, design, and simulation of a miniaturized gas sensor	Concordia Univ. Canada
EC5	14	J. T. Connelly	Investigation of Electrochemical Microfluidic Biosensors for ultrasensitive detection	Cornell Univ., USA
EC6	15	M. Cortina-Puig	Development of a label-free impedimetric immunosensor for the ochratoxin A detection	Univ. Perpignan Via Domitia, France
EC7	16	T. Muramatsu	Electrochemical flow injection immunoassay for cortisol using magnetic microbeads	Tokyo Univ. Marine Science and Tech., Japan
EC8	17	L. Rotariu	CNT/ionic liquid composite materials for monitoring enzyme reactions catalysed by acetylcholinesterase	Univ. Bucharest, Romania
EC9	18	H. Saito	A biochemical sensor for toluene using enzyme inhibition of butyrylcholinesterase	Tokyo Medical and Dental Univ., Japan
EC10	19	Y. S. Kim	Specific detection of oxytetracycline using DNA aptamer-immobilized interdigitated array electrode chip	Korea Univ. Anam dong, South Korea
EC11	20	Minakshi	Amperometric Biosensor for Triglyceride in Serum	M.D. Univ., India
<b>Clinical</b>				
CL1	21	E. L. Gerasimova	Evaluation of sperm antioxidant/oxidant activity and its correlation with pathological states	Ural State Univ. Economics, Russia
CL2	22	E. L. Gerasimova	Antioxidant/oxidant status evaluation and its response on some clinical conditions	Ural State Univ. Economics, Russia
CL3	23	M. Kato	Ultrasonic Variation of Blood Constituents with Changing pH	McGill Univ., Canada
CL4	24	W. Lin	Design and Optimization of Porous Polymer Enzymatic Digestorts for Proteomics	Concordia Univ., Canada
CL5	25	V. Gaudin	Validation of 4 ELISA kits for the screening of nitrofurantol metabolites (AOZ, AMOZ, SEM and AHD) in porcine muscle	AFSSA, LERMVD, France
CL6	26	A. K. Suresh	Biosynthesized gold nanoparticles as drug Carriers: Bacterial uptake and antibacterial activity	Éc. Polytechnique and McGill Univ, Canada
<b>Optical</b>				
OPI	27	L. Saa	Enzyme Modulated Synthesis of CdS nanoparticles	Parque Tecnológico de San Sebastian, Spain
OP2	28	A. Virel	An Osmium Metal-Ligand Complex as a Universal Reversible Luminescent Probe for Enzymatic Reactions	Parque Tecnológico de San Sebastian, Spain
OP3	29	Y.-H. Hsieh	Quantum Dot as Fluorescence Probe for the Detection of Memory Cytotoxic T Lymphocytes	National Synchrotron Radiation Research Center, Hsinchu, Taiwan
OP4	30	M. Gostock	Biophysical Characterization & Biomolecular Interactions Studied By Dual Polarization Interferometry	Farfield Scientific Inc, USA

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<b>Advances in Biosensors</b>				
AB1	1	S. Bhand	Fructose - selective calorimetric biosensor based on flow injection analysis	BITS-Pilani, Goa, India
AB2	2	S. Boujday	Surface IR spectroscopy applied to Biosensors: a powerful tool for chemical characterisation and direct label-free target detection	UPMC-CNRS, France
AB3	3	M. Haq	Using microfluidic systems for real-time investigation of protein kinetics by infrared imaging	McGill University, Canada
AB4	4	H. Kudo	Biochemical gas sensor (Bio-sniffer) using an ultraviolet LED for ethanol gas measurement	Tokyo Medical and Dental Univ., Japan
AB5	5	J. Y. Mehta	Development of a biosensor for the detection of chloramphenicol, using aptamers	Univ. Antwerp, Belgium
AB6	6	D. Troiani	Ultrasound Contrast Agents based on Molecularly Imprinted Hydrogel Sensors	McGill University, Canada
AB7	7	X. Chen	Nanosopic Block Copolymer Route to High Throughput Biosensors	Univ Montreal, Canada
<b>Surface plasmon resonance</b>				
SPR1	8	S. K. Arya	T4- bacteriophage based immunosensor for the detection of E.coli using surface plasmon resonance technique	NINT, Alberta, Canada
SPR2	9	L. S. Live	Investigation of the optical properties of gold particles for development of micro-biosensors	Univ Montreal, Canada
SPR3	10	M.P. Murray-Méthot	Study of the optical properties of nanohole arrays with controlled sizes and periodicity	Univ Montreal, Canada
SPR4	11	S. Kumbhat	Surface plasmon resonance based biosensor for label free detection of cholesterol	J.N.V. University, India
SPR5	12	O. Bolduc	Use of small peptides to reduce non specific signal induced by proteins in complex analytical matrices	Univ Montreal, Canada
SPR6	13	M. Manesse	New interfaces for Electrochemical-Surface Plasmon Resonance biosensors	LEPMI and IRI, France
SPR7	14	S. Zhao	Detection of small molecules-molecular receptor interaction using surface plasmon resonance sensors	Univ Montreal, Canada
SPR8	15	J.W. Park	ssDNA aptamer-based SPR biosensors for the detection of RBP4 and visfatin for the early diagnosis of type 2 diabetes	Korea University Anam-Dong, Korea
<b>Resonators</b>				
RE1	16	S. Gandhi	Label-free ultra-sensitive detection of pesticide based on nanomechanics	Institute of Microbial Technology, India
RE2	17	M. B. Pisani	Detection of ketone compounds using thermally sensitive quartz resonators	Penn State Univ., USA
RE3	18	J. Fatisson	Detection of Cryptosporidium parvum in the Presence of Potential Interferents using QCM-D	McGill University, Canada
RE4	19	D. Mercier	Detection of lanthanides by immobilization of a modified BisTriazinylPyridine on a gold substrate	LRC-CEA/UPMC/CNRS, France
RE5	20	A. Jaiswal	In-Situ Characterization of Polymer films and Their Interactions with Environmental and Biological Substances by Quartz Crystal Microbalance with Dissipation Monitoring (QCM-D)	Q-Sense, USA
<b>Environmental</b>				
EN1	21	C. Durrieu	Development of a whole cell biosensor based on marine algae for the environment monitoring of pollutants at sea	Univ. Lyon, France
EN2	22	H. Endo	Electrode-based immunologic assay system to monitor oocyte maturation-inducing hormone in fish	Tokyo Univ. of Marine Science and Tech., Japan
EN3	23	R. A. Fisher	A prototype autonomous submersible immunosensor for the analysis of marine contaminants	Tulane Univ School of Medicine, USA
EN4	24	M. Florescu	Development of graphite composite sensors for heavy metals ions detection	Transilvania Univ. Brasov, Romania
EN5	25	M. Florescu	Detection of heavy metals using inhibition biosensors, EDXRF and AAS methods	Transilvania Univ. Brasov, Romania
EN6	26	E. Omanovic-Miklicanin	The Role of Lipases in Valorization of Vegetable Oils	Univ. Sarajevo, Bosnia and Herzegovina
EN7	27	F. Bellemare	LuminoTox: Development of an algal test battery for water quality management	Lab_Bell inc, Canada
EN8	28	M. Soowamber	Cadmium bioassays using the green alga <i>Chlamydomonas reinhardtii</i>	Concordia Univ, Canada
EN9	29	M. Golmohamadi	Embedding of algae in a biogel in order to develop a whole cell biosensor for quantification of bioavailable trace metals in the environment	Univ. Montreal, Canada
<b>Immobilization</b>				
IM1	30	J.-L. Marty	Acetylcholinesterase biosensor : from random immobilization of natural enzyme to oriented immobilization of engineered enzymes	Univ. Perpignan Via Domitia, France
IM2	31	C. Carrasquilla	Immobilization of Functional DNA Aptamers onto Sol-gel Derived Silica for Solid-phase Biomolecular Detection	McMaster Univ., Canada