391st OMICS International Conference

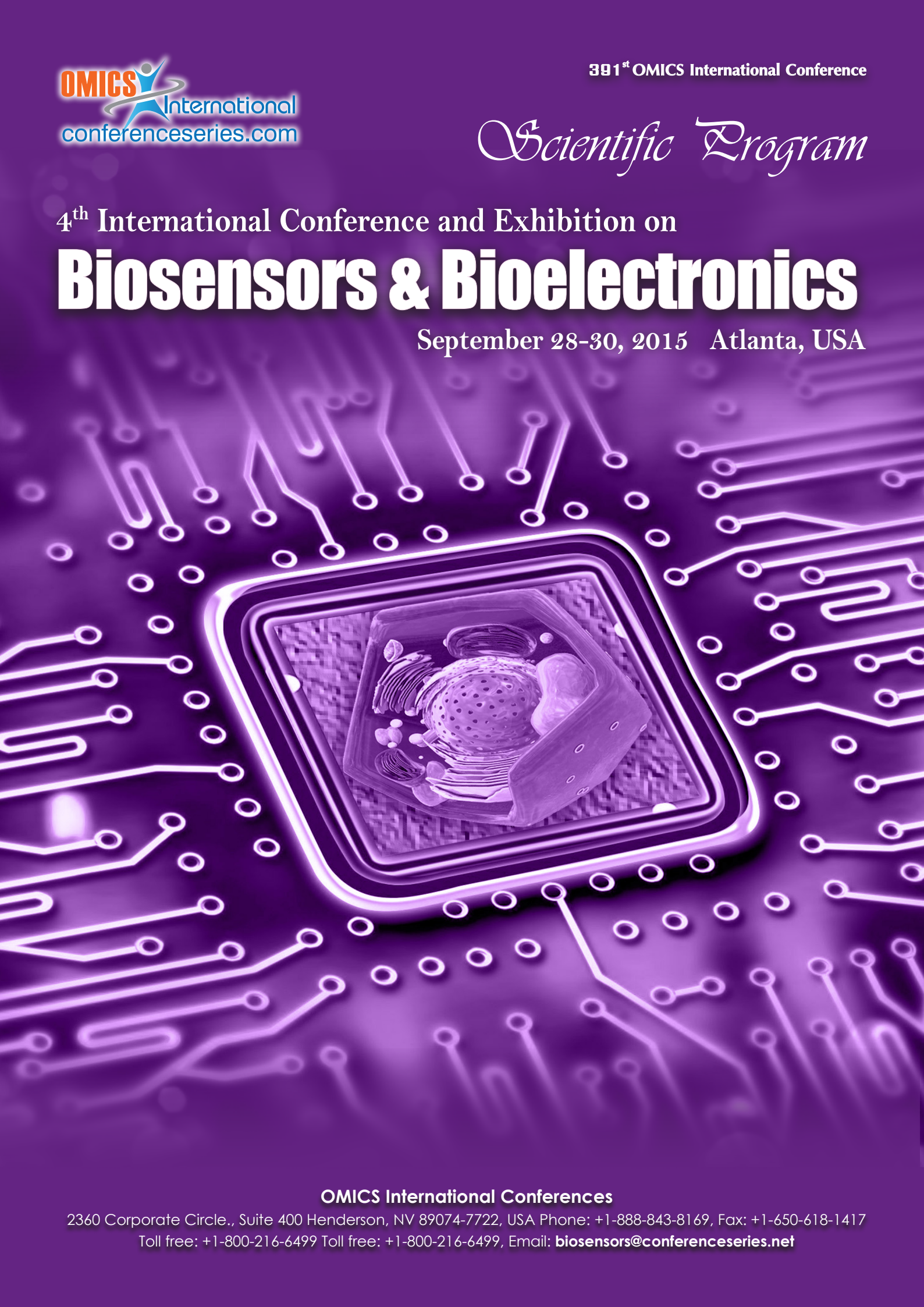
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Scientific Program

4th International Conference and Exhibition on

Biosensors & Bioelectronics

September 28-30, 2015 Atlanta, USA



OMICS International Conferences
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Scientific Program

Day 1 September 28, 2015

08:30-09:30 Registrations

Hall Chattahoochee Salon A

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09:30-09:55 Opening Ceremony

Keynote Forum	
09:55-10:00	**Introduction**
10:00-10:25	***Title: New SPR-based biosensor platform for fragment-based-drug-discovery*** **Tom Jobe**, SensiQ Technologies, USA
10:25-10:50	***Title: Deep transcranial magnetic stimulation for the treatment of neurological disorders*** **David C Jiles**, Iowa State University, USA
	Coffee Break 10:50-11:05 @ Foyer
11:05-11:30	***Title: Spinal fiber optic monitoring*** **Thomas F Floyd**, Stony Brook University, USA
11:30-11:55	***Title: Electronic label - free biosensing assays*** **Mark A Reed**, Yale University, USA
11:55-12:20	***Title: Terahertz spectral profiling and imaging for skin cancer detection*** **Anis Rahman**, Applied Research & Photonics Inc., USA
Sessions: Biosensors, Biosensors Applications, Bioelectronics and Advancement in Nanotechnology	
Chair: Yu Lei, University of Connecticut, USA **Co-chair: Laurent A Francis**, Universite catholique de Louvain, Belgium	
	Session Introduction
12:20-12:40	**Title: PEG-BSA-Coumarin-GOx fluorescent hydrogel: Preparation, characterization and glucose biosensing**
	Yu Lei, University of Connecticut, USA
12:40-13:00	**Title: The development of integrated capacitive array biosensors towards the selective and real-time detection of single bacterium**
	Laurent A Francis, Universite catholique de Louvain, Belgium
	Lunch @ Restaurant 13:00-14:00
14:00-14:20	**Title: Recent development in power systems for implantable bioelectronic devices**
	Gymama Slaughter, University of Maryland, USA
14:20-14:40	**Title: Vertically aligned carbon nanofiber biosensors**
	Nicole McFarlane, University of Tennessee, USA
14:40-15:00	**Title: Novel miniaturized, fully integrated, wireless, low-cost glucose sensing platform**
	Muhammad Mujeeb-U-Rahman, Wireless Diagnostic Systems, Inc., USA
15:00-15:20	**Title: Novel plasmonic sensing strategy based on semiconductor nanocrystals**
	Wing-Cheung Law, Hong Kong Polytechnic University, Hong Kong
15:20-15:40	**Title: Biosensor based on CYP2D6-functionalised carbon nanotube transducer for continuous detection of xenobiotics**
	Matic Krivec, Carinthian Tech Research, Austria
	Coffee Break 15:40-15:55 @ Foyer
15:55-16:15	**Title: Application of gold nanoparticles-dotted 4-nitrophenylazo graphene in a label-free impedimetric deoxynivalenol immunosensor**
	Christopher Edozie Sunday, University of Western Cape, South Africa

16:15-16:30	**Title: Fluorescent protein membrane based biosensor for ultrasensitive heme/hemin detection**
	Xiaoyu Ma, University of Connecticut, USA
16:30-16:45	**Title: A multiplexed protein based urine chip to distinguish recurrent from non-recurrent Bca**
	Gogalic Selma, Austrian Institute of Technology, Austria
16:45-17:00	**Title: Development of enzyme, antibody and MIP based assays for the rapid detection of biogenic amines**
	Leena Mattsson, Austrian Institute of Technology, Austria
Panel Discussion	

Day 2 September 29, 2015	
Hall Chattahoochee Salon A	
Keynote Forum	
10:00-10:25	***Title: Amphiphile-enhanced antibiotic potency: Imaging penetration*** **George W Gokel**, University of Missouri, USA
10:25-10:50	***Title: A biosensing approach for detecting and managing head injuries in American football*** **John N Daigle**, University of Mississippi, USA
Coffee Break 10:50-11:05 @ Foyer	
11:05-11:30	***Title: Free enzyme bio-material as D-glucose sensor*** **Mouad Lamrani**, Menicon Co., Ltd R&D, Switzerland
11:30-11:55	***Title: Quilt packaging advanced interconnect technology for biomedical applications*** **Jason M Kulick**, Indiana Integrated Circuits LLC, USA
11:55:13:00	Workshop on **Glucose monitoring: Enzymatic vs. non-enzymatic** by **Dr. Yu Lei**, University of Connecticut, USA
Lunch @ Restaurant13:00-14:00	
Sessions: Biosensing Technologies, Environmental Biosensors, Bioinstrumentation and Transducers in Biosensors	
Chair: John N Daigle, University of Mississippi, USA **Co-chair: Woo Hyoung Lee**, University of Central Florida, USA	
Session Introduction	
14:00-14:20	**Title: Enhanced cobalt-based microelectrode and nano-textured phosphate sensor for *in situ* phosphate measurement in drinking water systems**
	Woo Hyoung Lee, University of Central Florida, USA
14:20-14:40	**Title: Optical-based integrated oxygen sensor for long-term O_2 monitoring for use in organ-on chip platforms**
	Amir Sanati Nezhad, University of Calgary, Canada
14:40-15:00	**Title: From the engineering to the final application of asymmetric nanomaterials in detection: Rapid and ultrasensitive HEATSENS® thermal based biosensor development**
	Mariantonietta Parrracino, Nanoimmunotech S.L, Spain
15:00-15:20	**Title: Authenticity and classification of honeys from different geographical and botanical origins based on voltammetric electronic tongue**
	Nezha El Bari, Moulay Ismail University, Morocco
Coffee Break 15:20-15:35 @ Foyer	
15:35-15:50	**Title: FET ion sensor with nanometric lipid gate insulator for high sensitivety detection level**
	Ahmad Kenaan, Centre Interdisciplinaire de Nanoscience de Marseille, France
15:50-16:05	**Title: PEG-fluorescein-GOx hydrogel for glucose biosensing**
	Jun Chen, University of Connecticut, USA
Poster Presentations @ 16:05-16:45	
Panel Discussion	

Day 3 September 30, 2015	
Hall Chattahoochee Salon A	
10:00-11:00	Workshop on **Whole plant-cell microfluidic-based biosensor for toxicity testing of environmental pollutants** by **Amir Sanati Nezhad**, University of Calgary, Canada
Coffee Break 11:00-11:15 @ Foyer	
Sessions: DNA Chips and Nucleic acid Sensors, Photonic Sensor Technologies, Biosensors for Imaging and BioMEMS/NEMS	
Chair: Hong-Yu Yu, South University of Science and Technology, China **Co-chair: Jurgen Van Erps**, Vrije Universiteit Brussel, Belgium	
Session Introduction	
11:15-11:35	**Title: A novel leaky surface acoustic wave (LSAW) biosensor for label-free detection of hepatitis B surface antibody (HBsAb)**
	Hong-Yu Yu, South University of Science and Technology, China
11:35-11:55	**Title: Photonics-enhanced multi-functional labs-on-chips: From lab to fab**
	Jurgen Van Erps, Vrije Universiteit Brussel, Belgium
11:55-12:10	**Title: Ordered DNA fragmentation on surfaces for NGS sequencing**
	NaHyun Cho, Stony Brook University, USA
12:10-12:25	**Title: A facile, colorimetric assay for DPP IV activity and inhibition based on an enzyme-responsive nanoparticle system**
	Hassan Aldewachi, Sheffield Hallam University, UK
12:25-12:40	**Title: Determination of effect factor for effective parameter on saccharification of lignocellulosic material by concentrated acid**
	Sina Aghili, Islamic Azad University, Iran
YRF Certificate Distribution and Award Ceremony for Best Posters @ 12:40-12:50	
Closing Ceremony	
Lunch @ Restaurant 12:50-13:30	

Bookmark your dates

Let us meet again at Next Future Events

International Conference and Exhibition on

Biosensors & Bioelectronics 2016

Europe
Valencia, Spain June 30 - July 02, 2016

USA
Phoenix, USA September 22-24, 2016

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