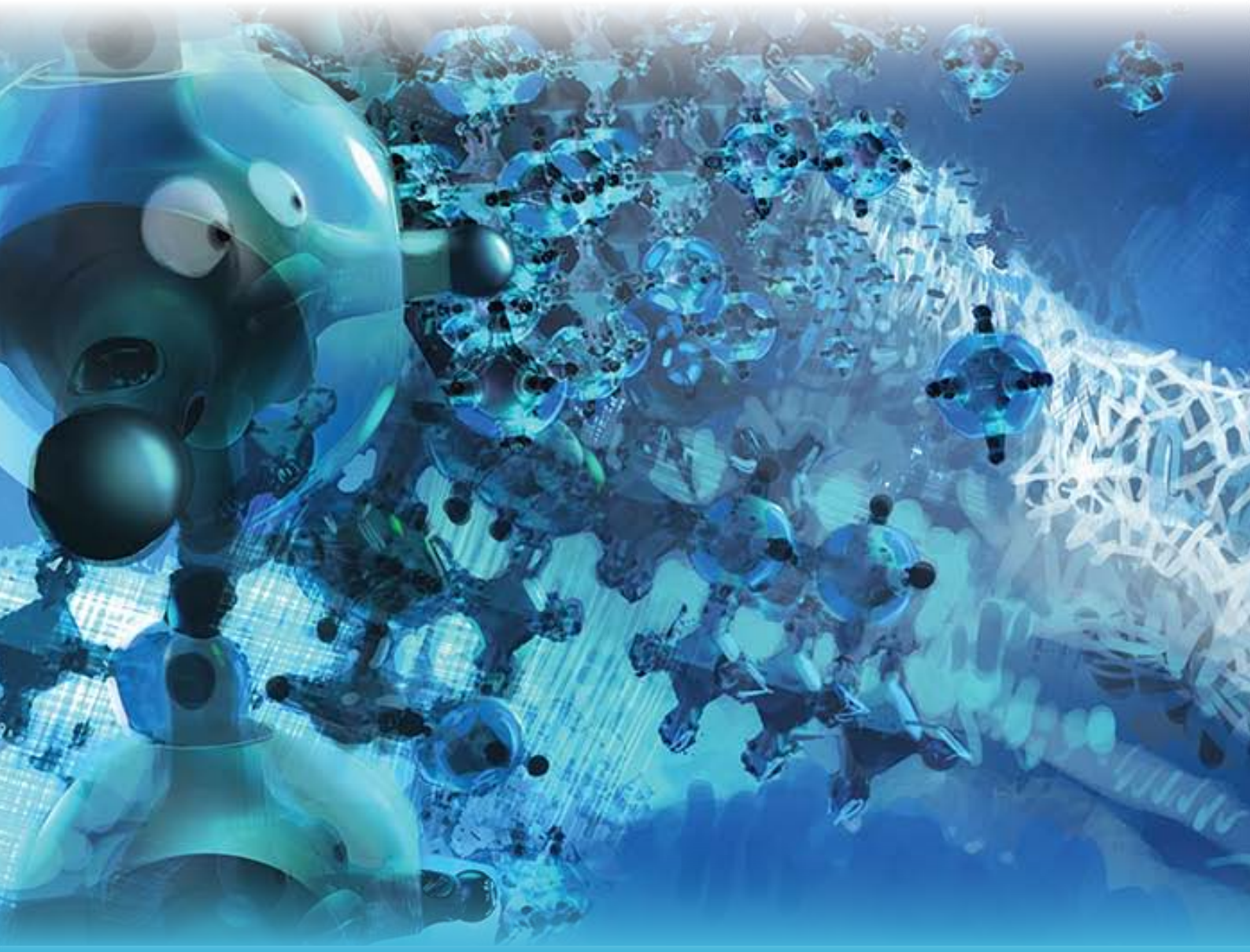
Scientific Program

OMICS Group Conferences
Accelerating Scientific Discovery

International Conference and Exhibition on
Nanotechnology & Nanomedicine

March 12-14, 2012 Omaha Marriott, USA



Conference Secretariat
5716 Corsa Ave., Suite 110, Westlake, Los Angeles, CA 91362-7354, USA
Phone: +1- 650-268-9744, Fax: +1-650-618-1414, Toll free: +1-800-216-6499
Email: nano2012@omicsonline.org
http://omicsonline.org/nano2012

Upcoming Conferences



3rd World Congress on
Bioavailability & Bioequivalence:
Pharmaceutical R & D Summit
March 26-28, 2012 Hyderabad Marriott Hotel, India



International Conference on
Pathology
August 27-29, 2012
DoubleTree by Hilton Philadelphia, USA



International Conference and Exhibition on
Translational Medicine
September 17-19, 2012
Holdiay Inn San Antonio, USA



International Conference and Exhibition on
Neurology & Therapeutics
May 14-16, 2012 Renaissance Las Vegas, USA



International Conference on
Pulmonary & Respiratory Medicine
August 27-29, 2012
DoubleTree by Hilton Philadelphia, USA



World
Toxicology Summit and Expo
September 17-19, 2012
Holdiay Inn San Antonio, USA



International Conference and Exhibition on
Biosensors and Bioelectronics
May 14-16, 2012 Renaissance Las Vegas, USA



International Conference and Exhibition on
Nutritional Science & Therapy
August 27-29, 2012
DoubleTree by Hilton Philadelphia, USA



3rd World Congress on
Diabetes & Metabolism
September 24-26, 2012
Marriott Convention Center, India



2nd World Congress on
Proteomics & Bioinformatics
July 2-4, 2012 Renaissance Las Vegas, USA



International Conference on
Central Nervous System - Drugs Effecting & Novel Drug Development
September 5-7, 2012
DoubleTree by Hilton Philadelphia, USA



2nd World Congress on
Pediatrics & Gynaecology
September 24-26, 2012
Marriott Convention Center, India



3rd World Congress on
Biomarkers & Clinical Research
July 2-4, 2012 Renaissance Las Vegas, USA



Occupational Health & Safety Summit
September 5-7, 2012
DoubleTree by Hilton Philadelphia, USA



OMICS International
Integrative Biology
Summit
October 1-3, 2012
DoubleTree by Hilton Chicago - Northshore, USA



International Conference and Exhibition on
Orthopedics
August 13-15, 2012
Hilton Chicago/Northbrook, USA



2nd World Congress on
Cancer Science & Therapy
September 10-12, 2012
Hilton San Antonio Airport, USA



International Conference on
Emerging Cell Therapies
October 1-3, 2012
DoubleTree by Hilton Chicago - Northshore, USA



International Conference and Exhibition on
Rheumatology & Therapeutics
August 14-15, 2012
Hilton Chicago/Northbrook, USA



International Conference on
Hydrology and Ground Water Expo
September 10-12, 2012
Hilton San Antonio Airport, USA



Annual Pharmacovigilance & Clinical Trials Conference
October 1-3, 2012
DoubleTree by Hilton Chicago - Northshore, USA



2nd World Congress on
Vaccines & Vaccination
August 20-22, 2012
Hilton Chicago/Northbrook, USA



World Congress & Expo on
Biowaivers and Biosimilars
September 10-12, 2012
Hilton San Antonio Airport, USA



International Conference on
Tissue Science & Engineering
October 1-3, 2012
DoubleTree by Hilton Chicago - Northshore, USA



International Conference and Exhibition on
Nephrology & Therapeutics
August 20-22, 2012
Hilton Chicago/Northbrook, USA



3rd World Congress on
Biotechnology
September 13-15, 2012
Hyderabad International Convention Center, India



World Congress on
Forensic Research & Technology
October 15-17, 2012
DoubleTree by Hilton Chicago - Northshore, USA



World Congress on
Earth Science & Climate Change
August 21-22, 2012 Hilton Chicago/
Northbrook, USA



International Conference on
Biodiversity and Sustainable Energy Development
September 14-15, 2012
Hyderabad International Convention Center, India



International Conference on
Biothreat & Biodefense
October 15-17, 2012
DoubleTree by Hilton Chicago - Northshore, USA



2nd World Congress on
Virology
August 20-22, 2012
Renaissance Las Vegas, USA



International Conference and Exhibition on
Solar Systems & Power Generation Technologies
September 14-15, 2012
Hyderabad International Convention Center, India



International Conference on
Otolaryngology
October 15-17, 2012
DoubleTree by Hilton Chicago - Northshore, USA



International Conference on
Addiction Research and Therapy
August 20-22, 2012
Renaissance Las Vegas, USA



International Conference and Exhibition on
Hotel & Business Management
September 14-15, 2012
Hyderabad International Convention Center, India



International Conference on
Clinical and Cellular Immunology
October 22-24, 2012
DoubleTree by Hilton Chicago - Northshore, USA



International Conference on
Material Sciences & Engineering
October 22-24, 2012
DoubleTree by Hilton Chicago - Northshore, USA



International Conference on
Genetic Syndromes & Gene Therapy
October 19-21, 2012
Hilton San Antonio Airport, USA



World Congress on
Novel Approaches in Anesthesia and Perioperative Care
November 26-28, 2012
Hilton San Antonio Airport, USA



International Expo and Conference on
Analytrix and HPLC
October 22-24, 2012
DoubleTree by Hilton Chicago - Northshore, USA



Global Biofuels and Bioproduct Summit
October 19-21, 2012
Hilton San Antonio Airport, USA



International Conference and Exhibition on
Surgery and Transplantation
November 26-28, 2012
Hilton San Antonio Airport, USA



World Congress on
Personalised Medicine & Molecular Diagnostics
October 29-31, 2012
DoubleTree by Hilton Chicago - Northshore, USA



International Conference and Exhibition on
Probiotics
October 19-21, 2012
Hilton San Antonio Airport, USA



GMP & GCP: USA, Europe, Japan & Asia Pacific
December 3-5, 2012
DoubleTree by Hilton Philadelphia, USA



4th World Congress on
Bioavailability & Bioequivalence:
Pharmaceutical R & D Summit
October 29-31, 2012
DoubleTree by Hilton Chicago - Northshore, USA



International Conference and Exhibition on
Food Processing and Technology
November 22-24, 2012
Hyderabad International Convention Center, India



QC, QA and Validation
December 3-5, 2012
DoubleTree by Hilton Philadelphia, USA



International Conference and Exhibition on
Computer Aided Drug Design & QSAR
October 29-31, 2012
DoubleTree by Hilton Chicago-Northshore, USA



3rd world Congress on
Analytical & Bioanalytical Techniques
November 22-24, 2012
Hyderabad International Convention Center, India



2nd World Congress on
Nanotek and Expo
December 3-5, 2012
DoubleTree by Hilton Philadelphia, USA



World Congress on
Regenerative &Functional Medicine
November 12-14, 2012
Hilton San Antonio Airport, USA



2nd World Congress
Pharmaceutical Regulatory Affairs
November 23-24, 2012
Hyderabad International Convention Center, India



International Conference on
Obesity & Weight Management
December 3-5, 2012
DoubleTree by Hilton Philadelphia, USA



2nd World Congress on
Cell Science & Stem Cell Research
November 12-14, 2012
Hilton San Antonio Airport, USA



International Conference and Exhibition on
Cosmotology & Cosmotics
November 23-24, 2012
Hyderabad International Convention Center, India



International Conference on
Clinical Microbiology & Microbial Genomics
November 12-14, 2012
Hilton San Antonio Airport, USA



International Conference on
Hair Transplantation & Trichology
November 26-28, 2012
Hilton San Antonio Airport, USA

18:00-19:00	Registrations at Grand Foyer	March 11, 2012

Day 1 March 12, 2012

07:00-09:00	Registrations at Grand Foyer
08:30-09:00	Breakfast at Salon C

OMICS Group Conferences
Accelerating Scientific Discovery

Salons DE
9:30-10:00

Opening Ceremony

Keynote Forum

10:00-10:05	Introduction
10:05-10:30	**Dr. Salvatore Santoli** International Nanobiological Testbed Ltd, UK
	Coffee Break at Salon C 10:30-10:40
10:40-11:05	**Dr. Joachim Koetz** University of Potsdam, Germany
11:05-11:30	**Dr. Magdalena Plebanski** Monash University, Australia

Track 1: Nano-materials

Session Introduction

11:30-11:50	**Title: Carbon Nanotube Composites for Photovoltaic and Bolometric Applications** Dr. I.A. Levitsky, Emitech, Inc., USA
11:50-12:10	**Title: Carbon Nanotube synthesis and applications: The multiscale approach** Dr. Alex V. Vasenkov, CFD Research Corporation, USA
12:10-12:30	**Title: Hybrid Tungsten Oxide /Carbon Nanoplatelets and Nanorods Prepared directly in a flame volume** Dr. Wilson Merchan-Merchan, University of Oklahoma, USA
	Lunch Break at Salon C 12:30-13:15
13:15-13:35	**Title: Meshing challenges in constructing implicit solvation models of biomolecular structures** Dr. Jessica Zhang, Carnegie Mellon University, USA
13:35-13:55	**Title: Optical and electrical properties of covalently-functionalized double-wall carbon nanotubes** Dr. YuHuang Wang, University of Maryland, USA
13:55-14:15	**Title: Modeling of Nanostructures: Nanocrystals, surfactants, and Nanobiosystems** Dr. Maria Stepanova, National Institute for Nanotechnology NRC, Canada
14:15-14:35	**Title: Solid-state synthesis and applications of iron (III) oxide nanomaterials** Dr. Libor Machala, Palacky University, Czech Republic
14:35-14:55	**Title: Dynamics of irradiation: From molecules to nano-objects and from material science to biology** Dr. Eric Suraud, Université Paul Sabatier, France

14:55-15:15	**Title: Modeling the nanoparticle-reinforced composite** Dr. Linxia Gu, University of Nebraska-Lincoln, USA
15:15-15:35	**Title: Nitrogen plasma treatment effect on graphene sheathed vertically aligned carbon nanofibers** Dr D. C. Ghimire, Chubu University, Japan
15:35-15:55	**Title: Physical, mechanical, bound rubber and dynamic mechanical studies of chlorobutyl Nanocomposites: Effect of multiwalled Carbon nanotube loading and storage time** Dr. S P Mahapatra, National Institute of Technology Raipur, India
	Coffee Break at Salon C 15:55-16:05
Track 3: Nanomedicine	
	Session Introduction
16:05-16:25	**Title: Nanotechnology for regenerative medicine: Increasing tissue growth, decreasing infection, and inhibiting inflammation** Dr. Thomas J. Webster, Brown University, USA
16:25-16:45	**Title: Nanoplatforms for cancer targeting and imaging** Dr. Weibo Cai, University of Wisconsin - Madison, USA
16:45-17:05	**Title: Tailored Ag nanoparticles for surface enhanced Raman spectroscopic analysis of heme-cofactor/enzyme complexes** Dr. Inez Weidinger, Technical University Berlin, Germany
17:05-17:25	**Title: Easy detection of pM porphyrin concentrations using silver nanoparticles** Dr. Karolina Siskova, Palacky University, Czech Republic
17:25-17:45	**Title: Nanoparticles for protein delivery: Improving efficacy, reducing protein diffusion, and reducing tissue overgrowth** Dr. Esmaiel Jabbari, University of South Carolina, USA
17:45-18:05	**Title: AFM nanoprobing of alpha-synuclein self-assembly** Dr. Alexey V. Krasnoslobodtsev, University of Nebraska Medical Center, USA
18:05-18:25	**Title: Advances in targeted lung nanomedicine as inhalable multifunctional microparticles & nanoparticles for pulmonary disease treatment and prevention** Dr. Heidi M. Mansour, University of Kentucky, USA
18:25-18:45	**Title: Zinc oxide nanoparticles selectively induce apoptosis in cancer cells mediated through reactive oxygen species** Dr. Maqusood Ahamed, King Saud University, Saudi Arabia
19:00-21:00	**Dinner at Salon C - Sponsored by Journal of Nanomedicine & Biotherauptic Discovery**

Day 2 March 13, 2012

Breakfast at Salon C 08:30-09:00

Salon D

Track 2: Nano-particles	
	Session Introduction
09:00-09:20	**Title: Unattached radon progeny as an experimental tool for dosimetry of nanoaerosols: Proposed method and research strategy** Dr. Lev S. Ruzer, Lawrence Berkeley National Laboratory, USA
09:20-09:40	**Title: Polyelectrolyte-stabilized gold nanoparticles of different size and shape** Dr. Joachim Koetz, University of Potsdam, Germany
09:40-10:00	**Title: Nano-RNAi–functionalized polyvalent gold nanoparticles as novel antiglioma therapeutics** Dr. Alexander H. Stegh, Northwestern University, Chicago
10:00-10:20	**Title: Soot particle formation in laminar diffusion biodiesel and diesel fuel airflames** Dr. Wilson Merchan-Merchan, University of Oklahoma, USA

10:20-10:40	**Title: Invitro evaluation of the physiochemical effects of drug loaded carbon nanotubes on toxicity** Dr. Sunny Iyuke, University of the Witwatersrand, South Africa
	Coffee Break at Salon C 10:40-10:55
10:55-11:15	**Title: Nano-structures on plasma membrane of immune cells: Isolation and characterization** Dr. Anil K Bamezai, Villanova University, USA
11:15-11:35	**Title: GFP as a intracellular temperature probe** Dr. Sebastian A. Thompson, ICFO-Institute of Photonic Sciences, Spain
Track 6: Nanotechnology **Track 7: Nano-sensors** **Track 8: Drug delivery**	
	Session Introduction
11:35-11:55	**Title: pH induced conformational change and intramolecular dynamics of PAMAM dendrimers** Dr. Yi Liu, California Institute of Technology, USA
11:55-12:15	**Title: Approaches to increasing surface stress for improving sensitivity of nanomechanical biosensors** Dr. Hai-Feng Ji, Drexel University, USA
12:15-12:35	**Title: Targeted Drug Delivery Systems: Achievements and challenges** Dr. Silvia Muro, University of Maryland College Park, USA
	Lunch Break at Salon C 12:35-13:15
13:15-13:35	**Title: Profiling alternative splicing in Breast Cancer cells by surface-enhanced Raman Spectroscopy** Dr. Lan Sun, Sandia National Laboratories, USA
13:35-13:55	**Title: Nanoparticle-based thin film devices and their applications** Dr. Wen-Yin Ko, National Chung-Hsing University, Taiwan
13:55- 14:15	**Title: Modulating the Phytotoxic effects of Ag NPs using BSA** Dr. Aswathy Ravindran, SASTRA University, India
14:15-14:35	**Title: Fabrication of TiO2 nanoparticle thin film on titanium surfaces for application as bacterial sensor/biochip for rapid, sensitive and direct analysis of pathogenic bacteria using MALDI-MS** Dr. Judy Gopal, National Sun Yat-Sen University, Taiwan
14:35-14:55	**Title: Advanced Nanobiomaterials for Multifunctional Neural Interfaces** Dr. Mohammad Reza Abidian, Pennsylvania State University, USA
14:55-15:15	**Title: Stealth liposomes loaded with photosensitizer as drug delivery system: Increasing tumor-selectivity, enhancing PDT efficacy** Dr. Tran Thi Hai Yen, Hanoi University of Pharmacy, Vietnam
15:15-15:35	**Title: Analysis of micro and nano-sized particles with a tunable nanopore sensor for the precise engineering of drug delivery systems for Nanomedicine applications** Mr. Subhash Kalluri, Izon Science Ltd, USA
	Coffee Break at Salon C 15:35-15:50
15:50-16:10	**Title: Plasmonic photothermic angioplasty with nanoparticles and stem cells as the new revolution in international cardiology** Dr. Kharlamov A.N., Ural Institute of Cardiology, Russia
15:35-17:00	**Poster Presentations**
19:00-20:30	**Cocktails & Receiption at Nebraska AB - Sponsored by Journal of Nanomedicine & Nanotechnology**

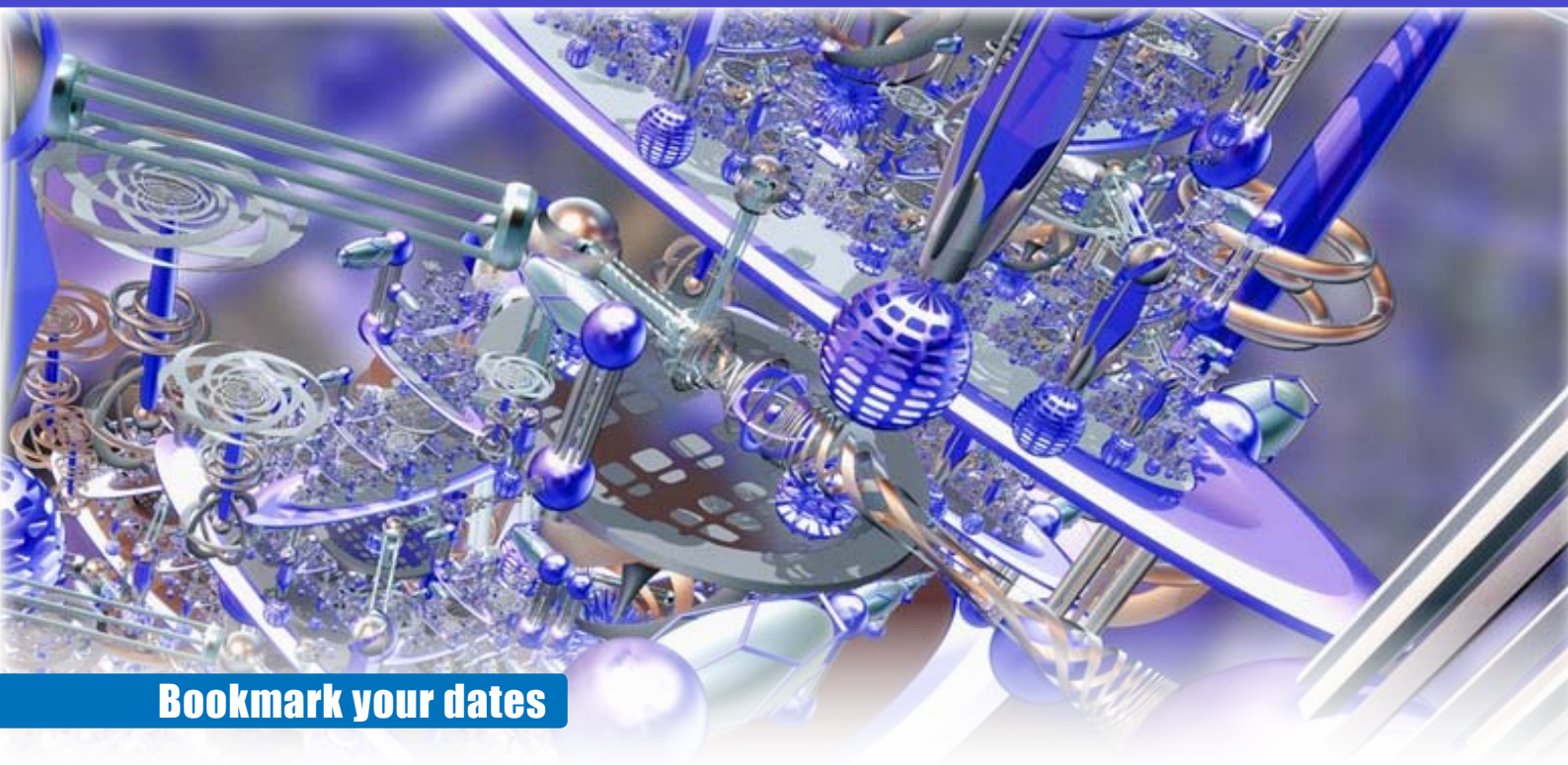
Day 3 March 14, 2012	
	Breakfast at Salon C 08:30-09:00
Salon D	
Track 9: Nano-electronics **Track 10: Antimicrobial activity of metals** **Track 11: Applications of nanotechnology** **Track 12: Nano-devices**	
	Session Introduction
09:00-09:20	**Title: Single-molecule science with a nanopore: Inspiration from nature** Dr. Liviu Movileanu, Syracuse University, USA
09:20-09:40	**Title: Metal nanoparticles and semiconductor nanocrystals synthesis and applications** Dr. Vanga R. Reddy, University of Arkansas, USA
09:40-10:00	**Title: Use of quantum dot functionalized cell-penetrating peptides in cells and micro particles in a venous thrombosis model** Dr. Antonio Peramo, University of Michigan, USA
10:00-10:20	**Title: Wireless nanonetworks for advanced medical applications and treatments** Dr. Ahmed Safwat, Queen's University, Canada
	Coffee Break at Salon C 10:20-10:35
10:35-10:55	**Title: Anti bacterial activity and non-phytotoxic nature of neem oil nanoemulsion** Dr C.H. Anjali, VIT University, India
10:55-11:15	**Title: Fabrication and characterization of Pd nanocluster devices** Dr. A. I. Ayesh, United Arab Emirates University, UAE
11:15-11:35	**Title: Antibiotic-Assembled gold nanoparticles: New trend for the development of anti-ESBL *Escherichia coli*** Dr. Ahmad Kabbani, Lebanese American University, Lebanon
11:35-11:55	**Title: Nanoparticle assisted enhanced biosynthesis of haloarchaeal caroteinoid pigments: Preconcentration of pigments through Pt nanoparticle based liquid-liquid microextraction for MALDI-MS analysis** Dr. Muthu Manikandan, National Sun Yat - Sen University, Taiwan
11:55-12:15	**Title: Formation of luminescent PbS coupled quantum dots** Dr. Nabanita Dutta, Variable Energy Cyclotron Centre (VECC), India
	Lunch Break at Salon C 12:15-13:00

Encyclopedia of Bioequivalence and Bioavailability (E-BABE)

Analytical and Bio-Analytical Methodology Database

- World's only database powered by an updated bioanalytical methods of pharmaceuticals for suitable method selection with over thousands of combinations and automatic checks against thousands of methods: all at your finger tips.
- Intelligent processing which understands your analytical terminology and lets you generate, select of your priority and much more in seconds.
- Use the comprehensive analytical and bio-analytical methodology tool to select important method for an insight into regular quality control.
- Now selection of Analytical and Bio-analytical methods of pharmaceuticals for analysis/routine quality control is on your finger tips for a click!
- All-in-one database with multi-user access.
- As of now it has 5000 methods and is updated regularly.

http://ebabe.gsblifesciences.org



Bookmark your dates

OMICS Group Conferences
Accelerating Scientific Discovery

2nd World Congress on
Nanotek & Expo

December 3-5, 2012
DoubleTree by Hilton Philadelphia, USA

OMICS Publishing Group
5716 Corsa Ave, Suite 110
Westlake, Los Angeles
CA 91362-7354, USA
Ph: +1-650-268-9744
Fax: +1-650-618-1414

OMICS Group Conferences
2360 Corporate Circle · Suite 400
Henderson, NV 89074-7722, USA
Fax: +1-650-618-1417

OMICS Group
1-90/1, Plot No.20, Kavuri Hills,
Madhapur - HITEC City
Hyderabad, A P, INDIA - 500 081
Ph: 040-40138580/81

Toll free
USA & Canada: 1-800-216-6499
Europe: 0805-080048
Australia: 1-800-651-097