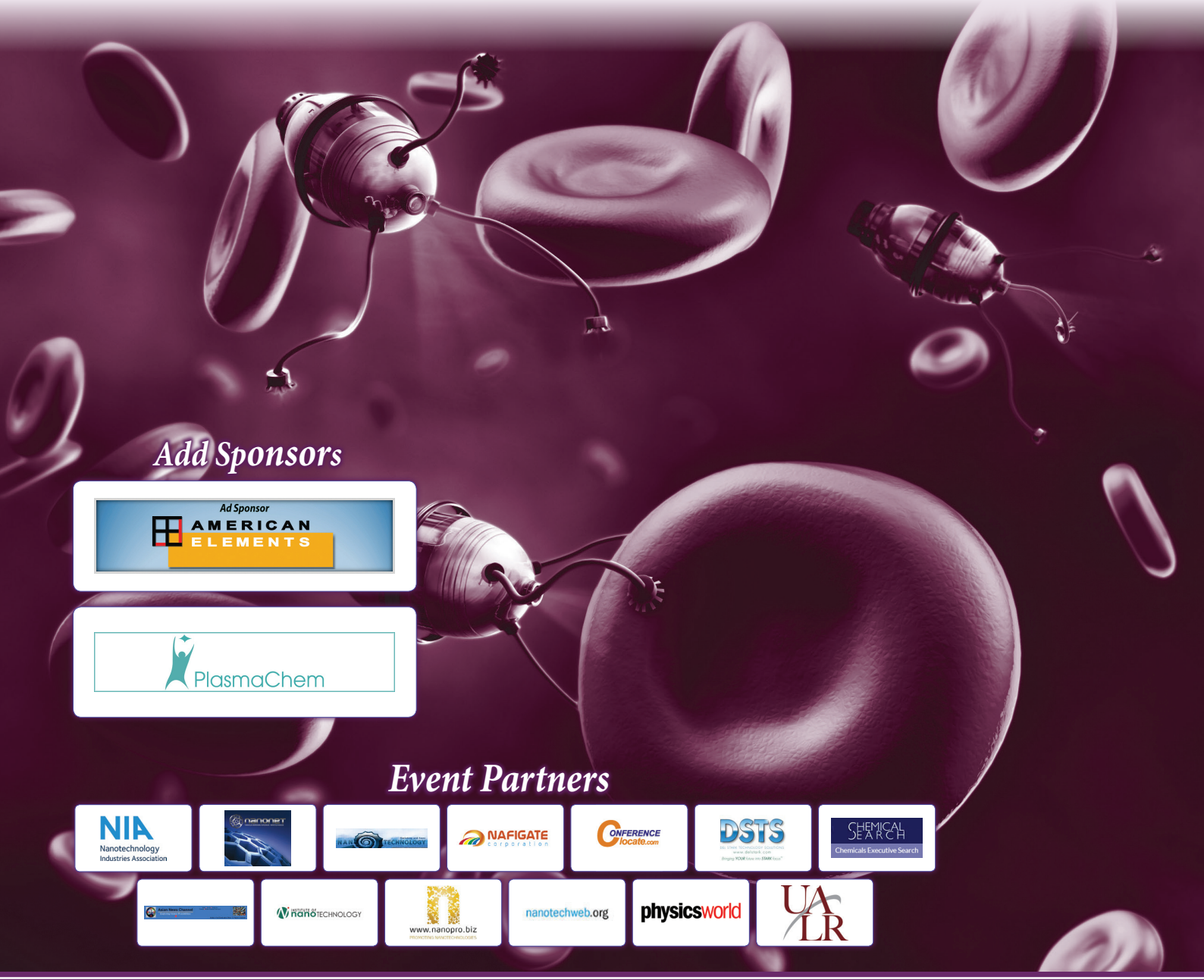
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Nanotek & Expo

December 01-03, 2014 DoubleTree by Hilton Hotel San Francisco Airport, USA



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Day 1 December 1, 2014

08:00-08:30 Registrations

Sierra-A Ballroom

OMICS Group Conferences
Accelerating Scientific Discovery

08:30-09:25 **Opening Ceremony**

Keynote Forum

09:25-09:30 **Inroduction**

09:30-09:55 **Sir Harold Kroto**
Florida State University, USA

09:55-10:20 **Claudio Nicolini**
Nanoworld Institute, Italy

10:20-10:45 **Israel Felner**
The Hebrew University, Israel

10:45-11:10 **Satwant Kaur**
Hewlett-Packard, USA

Group Photo

Coffee Break 11:10-11:25 @ Foyer

Track 1: Nanomaterials (Session 1)

Session Chair: Serhii Shafraniuk, Northwestern University, USA
Session Co-Chair: Valerie Keller, University of Strasbourg, France

Session Introduction

11:25-11:45 **Fabrication of carbon fullerene based hard disk unit**
Claudio Nicolini, Nanoworld Institute, Italy

11:45-12:05 **Different magnetic behaviors of Mg and Zn doped Fe_3O_4 nanoparticles estimated in terms of crystal domain size, universal dielectric response and application to anodes for lithium ion batteries**
Masaru Matsuo, Dalian University of Technology, China

12:05-12:25 **Graphene sensing and thermoelectric devices**
Serhii Shafraniuk, Northwestern University, USA

Lunch Break 12:25-13:05 @ Tiburon-Sausalito

13:05-13:25 **On the use of nanodiamonds for photocatalytic applications**
Valerie Keller, University of Strasbourg, France

13:25-13:45 **Memristive metal-insulator switches in correlated electron oxide nanowires using electric field-induced redox reaction**
Teruo Kanki, Osaka University, Japan

13:45-14:05 **Defects in zinc oxide nanowires: Temperature evolution and the effect on contacts**
Richard J Cobley, Swansea University, UK

14:05-14:25 **Properties of graphene oxide/thermoplastic starch green nanocomposites**
K Madhukar, Osmania University, India

14:25-14:45 **Properties and application of doped-SWCNT, doped-CSCNT, and free-standing reduced graphene oxide sheets for energy devices**
Elaine Yoshiko Matsubara, Universidade de Sao Paulo, Brazil

14:45-15:05 **Facile fabrication of graphene nanoribbon/silicone rubber elastomer for strain sensing**
Shang Songmin, The Hong Kong Polytechnic University, Hong Kong

Track 1: Nanomaterials (Session 2)

Session Chair: Takehide Miyazaki, AIST, Japan
Session Co-Chair: Gerard Tobias, ICMAB-CSIC, Spain

15:05-15:25 **Structural and electronic Properties of metal endohedral silicon clusters**
Takehide Miyazaki, AIST, Japan

15:25-15:45 **Synthesis of sub nano-size metal particles using a nano-reactor**
Kimihisa Yamamoto, Tokyo Institute of Technology, Japan

15:45-16:05 **Pressure-induced phase transitions in nanomaterials: A thermodynamics panorama**
Denis Machon, University Lyon 1-CNRS, France

Coffee Break 16:05-16:20 @ Foyer

16:20-16:40 **Guidelines proposal for nanomaterials hemocompatibility**
Julie Laloy, University of Namur, Belgium

16:40-17:00 **3D Orientation mapping in the transmission electron microscope – 3D-OMiTEM**
Soren Schmidt, Technical University of Denmark, Denmark

17:00-17:20 **Carbon nanotube-iorganic nanohybrids**
Gerard Tobias, ICMAB-CSIC, Spain

17:20-17:40 **Polymer covalently modified graphene for nonvolatile rewritable memory**
Yu Chen, East China University of Science and Technology, China

17:40-18:00 **Selective formation of carbon nanotubes and spherical carbon nanoparticles in molten LiCl**
Ali Kamali, University of Cambridge, UK

18:00-18:10 **Lab scale production of nanocrystalline cellulose (NCC) from rice husk biomass**
Md Sakinul Islam, RMIT University, Australia

Mendocino

Track 2: Nanostructures

Session Chair: Dave H A Blank, University of Twente, Netherlands
Session Co-Chair: Ho-Kei Chan, University of Nottingham, UK

Session Introduction

11:25-11:45 **Materials control on a nanoscale: Artificial oxide structures**
Dave H A Blank, University of Twente, Netherlands

11:45-12:05 **The study of nano-scale field emission phenomena**
Tsung-Chieh Cheng, National Kaohsiung University of Applied Science, Taiwan

12:05-12:25 **Generation of polymer nanowires by a pulsed laser irradiation**
Masahiro Goto, National Institute for Materials Science, Japan

12:25-12:45 **Dense columnar packings of hard spheres- An application to nanotube-confined fullerenes**
Ho-Kei Chan, University of Nottingham, UK

Lunch Break 12:45-13:25 @ Tiburon-Sausalito

13:25-13:45 **Hydride vapor phase epitaxy of III-V semiconductor nanostructures and nanowires**
Yamina Andre, Blaise Pascal University, France

13:45-14:05 **Nanostructured self-assembled P3HT thin films and their application to enhance organic solar cell efficiency**
Varun Vohra, University of Electro-Communications, Japan

14:05-14:25 **Study of photo catalytic and antibacterial activity of Ag/B/N co-doped TiO_2/CNT composite films**
Md Nizam Uddin, Shahjalal University of Science and Technology, Bangladesh

14:25-14:45 **NanoSweet: Nanostructured composites of graphene/metal oxides for effective natural gas sweetening**
Sunil P Lonkar, The Petroleum Institute, UAE

14:45-15:05 **Investigating the effect of a zeolite and $CaCO_3$ catalyst support on the production of Carbon nanotubes**
Diakanua Nkazi, University of Witwatersrand, South Africa

15:05-15:25 **Self-organized synthesis of metal oxide semiconductor nanowire photocatalyst**
Kenji Saito, Niigata University, Japan

15:25-15:45 **Microorganism-mediated, surfactant-directed synthesis of metal nanostructures**
Jiale Huang, Xiamen University, China

15:45-16:05 **The energy transformation of mono-dispersed nanometer cluster forming process quantum mechanical**
Lihong Su, Northwestern Polytechnical University, China

Coffee Break 16:05-16:20 @ Foyer

Track 5: Materials Science and Engineering

Session Chair: Tien-Yau Luh, National Taiwan University Taipei, Taiwan
Session Co-Chair: Shady Kamal, National Institute for Standards Giza, Egypt

16:20-16:40	**Ladderphanes** **Tien-Yau Luh,** National Taiwan University Taipei, Taiwan
16:40-17:00	**Change in the surface morphology of viscose fabrics by exposure to sunlight** **Shady Kamal,** National Institute for Standards Giza, Egypt
17:00-17:20	**Quantum thermodynamic aspects of magnetic molecules** **Georg Lefkidis,** University of Kaiserslautern, Germany
17:20-17:40	**NMR techniques for study of physical properties of reduced dimensionality and nano-scale materials** **Vesna Mitrovic,** Brown University, USA
17:40-18:00	**Development of nanocomposite polymer electrolytes (NCPEs) in electric double layer capacitors (EDLCs) application** **Ramesh T Subramaniam,** University of Malaya, Malaysia
18:00-18:20	**Thermal conductivity of amorphous Si and Ge thin films** **Yibin Xu,** National Institute for Materials Science, Japan
18:20-18:40	**Aberration-corrected HRTEM as an ultra-precise tool in materials science at the nanoscale** **Magnus Garbrecht,** Linköping University, Sweden

Sonoma

Track 9: Recent Trends in Nanotechnology

Session Chair: John F Donegan, Trinity College Dublin, Ireland
Session Co-Chair: Humberto Terrones, Rensselaer Polytechnic Institute, USA

Session Introduction

11:25-11:45	**Inexpensive and accurate – Novel computational methods for prediction of toxicity of nanomaterials** **Jerzy Leszczynski,** Jackson State University, USA
11:45-12:05	**A review of physical and chemical routes to top-down nanofabrication** **Ramesh K Agarwal,** Washington University in St. Louis, USA
12:05-12:25	**Helium ion microscope generated nitrogen-vacancy centres in type Ib diamond** **John F Donegan,** Trinity College Dublin, Ireland

Lunch Break 12:25-13:05 @ Tiburon-Sausalito

13:05-13:25	**Biomimemtics and optical cloaking** **Ashok K. Vaseashta,** International Clean Water Institute, USA
13:25-13:45	**Beyond graphene: The amazing world of layered transition metal dichalcogenides** **Humberto Terrones,** Rensselaer Polytechnic Institute, USA
13:45-14:05	**Probing the nano-world with light-driven microtools** **Jesper Gluckstad,** Technical University of Denmark, Denmark
14:05-14:25	**Wavefunction engineering in graphene systems** **Adelina Ilie,** University of Bath, UK
14:25-14:45	**Construction, functionalization, and organization of dendrimer with conjugated backbones** **Masatoshi Kozaki,** Osaka City University, Japan
14:45-15:05	**3D nanostructures for multifunctional plasmonics** **Mario Malerba,** Italian Institute of Technology, Italy
15:05-15:25	**Sensing spin and spinning memory: A chiral-based spin sensors and magnetic memory devices without a permanent magnet** **Yossi Paltiel,** The Hebrew University, Israel
15:25-15:45	**The role of fast charge dynamics to photo-catalytic water oxidation** **Tanja Cuk,** University of California, USA
15:45-16:05	**Continuous-wave pumped lasing using colloidal CdSe quantum wells** **Joel Grim,** Istituto Italiano di Tecnologia, Italy

Coffee Break 16:05-16:20 @ Foyer

18:30-19:30 Cocktails Sponsored by **Journal of Nanomedicine & Nanotechnology @ Tiburon-Sausalito**

Day 2 December 2, 2014

Sierra-A Ballroom

Keynote Forum

09:00-09:05 **Inroduction**

09:05-09:30 **Fatih M. Uckun**
Children's Hospital Los Angeles and USC Keck School of Medicine, USA

09:30-09:55 **Haruo Sugi**
Teikyo University School of Medicine, Japan

09:55-10:20 **Julia Y Ljubimova**
Cedars-Sinai Medical Center, USA

10:20-10:45 **Jean-Paul (Moshe) Lellouche**
Bar-Ilan University, Israel

Coffee Break 10:45-11:00 @ Foyer

Track 3: Nanomedicine (Session 1)

Session Chair: Eggehard Holler, Cedars-Sinai Medical Center, USA
Session Co-Chair: Eugenia Pechkova, University of Genova, Italy

Session Introduction

11:00-11:20 **Targeted imaging for personalized medicine: New age for combination cancer treatments**
Julia Y Ljubimova, Cedars-Sinai Medical Center, USA

11:20-11:40 **Biodegradable nanobrushes for drug delivery**
Eggehard Holler, Cedars-Sinai Medical Center, USA

11:40-12:00 **The role of LB thin protein film in protein crystal growth by LB nanotemplate and robot**
Eugenia Pechkova, University of Genova, Italy

12:00-12:20 **PMLA nanoconjugates for effective delivery of antisense oligos: optimization, mechanism, and brain tumor treatment**
Hui Ding, Cedars-Sinai Medical Center, USA

Lunch Break 12:20-13:00 @ Tiburon-Sausalito

13:00-13:20 **SERS plasmonic nanotags in biomedical sensing, imaging and therapy**
Nekane Guarrotxena, ICTP, Spain

13:20-13:40 **Nanocolloidsfor Cancer**
Mark Kester, NanoSTAR Institute of the University of Virginia, USA

13:40-14:00 **Biological kinesin-5 nano-motors: Motile properties and intracellular functions**
Leah Gheber, Ben-Gurion University of the Negev, Israel

14:00-14:20 **Synthetic HDL – A mimic of nature's nanomedicine**
Anna Schwendeman, University of Michigan, USA

14:20-14:40 **Micelles as nanosized carriers for skin delivery of drugs**
Sevgi Gungor, Istanbul University, Turkey

14:40-15:00 **Tumor regression by means of magnetic drug targeting**
W Wagner, Paracelsus-Klinik Osnabrueck, Germany

Track 3: Nanomedicine (Session 2)

Session Chair: Jim Klostergaard, The University of Texas, USA
Session Co-Chair: Jerzy Leszek, Wroclaw Medical University, Poland

Session Introduction

15:00-15:20 **Magnetic vectoring for drug delivery to tumors: Past, present and is there a future?**
Jim Klostergaard, The University of Texas, USA

15:20-15:40 **Nanodrug delivery of a multimodal novel drug cerebrolysin reduces engineered nanoparticles induced aggravation ofheat stroke induced ubiquitin expression and brain pathology**
Hari S Sharma, Uppsala University, Sweden

15:40-16:00 **Early detection and treatment of Alzheimer's disease- Nanotechnology as a tool**
Jerzy Leszek, Wroclaw Medical University, Poland

Coffee Break 16:00-16:15 @ Foyer

16:15-16:35	**Bioreducible cross-linked polymer coated mesoporous silica nanoparticles for targeted delivery of siRNA and chemotherapeutics to HER2+ breast cancer** **Moataz Reda**, Oregon Health and Science University, USA
16:35-16:55	**Optimization of particles size for lung specific drug delivery by way of microspheres** **Sree Harsha**, King Faisal University, Saudi Arabia
16:55-17:15	**Types of self-assembling of lengthy Intron RNA presented in the regions of homologue chromosomes somatic pairing** **Viya Fedoseyeva**, Russian Academy of Sciences, Russia
17:15-17:35	**In vivo delivery of transcription factors with chemically modified oligonucleotides** **Niren Murthy**, University of California at Berkeley, USA
17:35-17:55	**Formulation and characterization of dirithromycine nanoparticles for topical treatment** **Evrim Yenilmez**, Anadolu University, Turkey
17:55-18:15	**Ocular application of dirithromycin with chitosan based polymeric nanoparticles** **Ebru Basaran**, Anadolu University, Turkey
18:15-18:25	**Strategist PLGA nano-capsules to deliver siRNA for inhibition of carcinoma and neuroblastoma cell lines by knockdown of proto-oncogene** **Archana M Raichur**, Toyo University, Japan
18:25-18:35	**Testing the efficiency of a hybrid nanoparticulate drug delivery system for use in bone regeneration with distraction osteogenesis** **Lamees Nayef**, McGill University, Canada

Mendocino-Sonoma

Track-11: Biomedical Engineering and Applications

Session Chair: Sameh S Ali, Zewail City of Science and Technology, Egypt
Session Co-Chair: Rony Granek, Ben-Gurion University of the Negev, Israel

Session Introduction

11:00-11:20	**DNA vaccine that target hemagglutinin to MHC II-molecules rapidly induces antibody-mediated protection against influenza** **Bjarne Bogen**, University of Oslo and Oslo University Hospital, Norway
11:20-11:40	**Rational design of nucleus targeting nano-particles for enhanced intracellular active transport** **Rony Granek**, Ben-Gurion University of the Negev, Israel
11:40-12:00	**Control of chiral assemblies through hydrogen bonding properties of amino acids** **Toshiyuki Moriuchi**, Osaka University, Japan
12:00-12:20	**Magnetic iron oxide nanoparticles with hyperthermia-induced drug release ability by using click chemistry** **Laurent Fontaine**, University of Maine, France
12:20-12:40	**New age pathologists with the synchrotron: How to apply the synchrotron-based X-ray fluorescence analysis to pathological diagnosis** **Akihiro Matsuura**, Fujita Health University, Japan

Lunch Break 12:40-13:20 @ Tiburon-Sausalito

13:20-13:40	**Gold, silver magnesium and magnetic nanoparticles: Nanomedicine applications in drug delivery** **Mauro Comes-Franchini**, University of Bologna, Italy
13:40-14:00	**Biomedical applications of water soluble fullerenes: How do they work?** **Sameh S Ali**, Zewail City of Science and Technology, Egypt
14:00-14:20	**In Vivo molecular imaging of retinal vascular disease** **Ashwath Jayagopal**, Vanderbilt University Medical Center, USA
14:20-14:40	**Hybrid magnetic nanoparticles mediated trimodal lethality: Chemotherapy, photothermal therapy and magnetic hyperthermia** **Sivakumar Balasubramanian**, Toyo University, Japan
14:40-15:00	**A clinical trial to evaluate the safety and immunogenicity of a novel DNA vaccine used as immunotherapy during Leishmaniasis** **Laura Manna**, University of Naples, Italy
15:00-15:20	**Monte Carlo simulation to detect the cancer cells at very early stages of breast cancer using CT images** **Zaker Salehi Dehyagani**, KDU University, Malaysia
15:20-15:40	**Directed evolution of new viruses for therapeutic gene delivery** **David V Schaffer**, University of California, USA

Coffee Break 15:40-15:55 @ Foyer

Track 8: Environment, Health and Safety Issues of Nanotechnology

Session Chair: Ofir Menashe, Kinneret College on the sea of Galilee, Israel
Session Co-Chair: Eiichiro Ichiishi, International University of Health and Welfare Hospital, Japan

15:55-16:15 **NT4W – Nanotechnology for contamination detection, remediation and water purification**
Ashok K Vaseashta, International Clean Water Institute, USA

16:15-16:35 **Trends in diagnostic biochip development**
Eiichiro Ichiishi, International University of Health and Welfare Hospital, Japan

16:35-16:55 **The use of constructed nano and micro-filtration membrane as a confine bioreactor for microbial growth and extracellular digestive enzymes secretion**
Ofir Menashe, Kinneret College on the sea of Galilee, Israel

16:55-17:15 **Interparticle interactions of different shapes between water molecules**
Makoto Yasutomi, University of the Ryukyus, Japan

17:15-17:35 **Nanostructured metal oxides thin films as high-quality humidity sensor**
Richa Srivastava, Lucknow University, India

17:35-17:55 **Computational methods for predicting genotoxicity of metal oxide nanomaterials (A classification and regression tree model for predicting comet assay results)**
Nazanin Golbamaki, The Mario Negri Institute, Italy

17:55-18:05 **Extraction of toxic and valuable metal ions from used batteries and water-borne microbes from contaminated water using the multifunctional nano composites**
Amritvir Kaur, University of Central Lancashire, UK

18:05-18:15 **Biotoxicity of free and chitosan-coated iron nanoparticles in *Drosophila melanogaster***
Eliza Nuit Jara Negrete, Pontifical Catholic University of Ecuador. Ecuador

18:30-19:30 Cocktails Sponsored by **Journal of Nanomedicine & Biotherapeutic Discovery @ Tibaron-Sausalito**

Day 3 December 03, 2014

Sierra-A Ballroom

Keynote Forum

09:00-09:05 **Inroduction**

09:05-09:30 **Toyohisa Fujita**
The University of Tokyo, Japan

09:30-09:55 **Stoyan Sarg Sargoytchev**
World Institute for Scientific Exploration, USA

Track 4: Nanodevices and Nanosensors

Session Chair: Jose V Garcia-Ramos, IEM-CSIC, Spain
Session Co-Chair: Anne Charrier, Aix-Marseille University, CNRS, France

Session Introduction

09:55-10:15 **A field effect transistor biosensor with a -pyrone derivative engineered lipid sensing layer for ultrasensitive Fe3+ ion detection with low pH interference**
Anne Charrier, Aix-Marseille University, CNRS, France

10:15-10:35 **BIMENS- Bimetallic nanostars (Ag@Au) with high surface enhanced raman scattering (SERS) performance: Detection of β-amyloid and its marker thioflavin T**
Jose V Garcia-Ramos, IEM-CSIC, Spain

10:35-10:55 **Bridging the gap of low to high hierarchy chemical nanosensor platforms: Recent advancements at NASA Glenn Research Center**
Azlin M. Biaggi-Labiosa, NASA Glenn Research Center, USA

Coffee Break 10:55-11:10 @ Foyer

11:10-11:30 **GaAs band gap engineering by colloidal PbS quantum dots**
Bruno Ullrich, Universidad Nacional Autónoma de México, Mexico

11:30-11:50 **Template method for positioning of colloidal quantum dots for optoelectronic device application**
Kohki Mukai, Yokohama National University, Japan

11:50-12:10	**Properties of photonic and plasmonic resonance devices** **Jae Woong Yoon**, University of Texas - Arlington, USA
12:10-12:30	**Detection and Identification of microorganisms by nanoparticles based biosensors** **Sam F Y Li**, National University of Singapore, Singapore
12:30-12:50	**sxRNA: Using RNA-based, nano-switches to detect novel non-coding RNA expression** **Scott Tenenbaum**, SUNY- College of Nanoscale Science and Engineering, USA
12:50-13:10	**Nano-object sensing based on plasmonic superprism and carousel** **Chao-Yi Tai**, National Central University, Taiwan
	Lunch Break 13:10-13:50 @ Tiburon-Sausalito
	Track 6: Nanoelectronics **Track 7: Nanotechnology in Energy Systems**
	Session Chair: Gregory L Snider, University of Notre Dame, USA **Session Co-Chair: Stoyan Sarg Sargoytchev**, World Institute for Scientific Exploration, USA
13:50-14:10	**Backside antireflecting layer microscopy - Application to graphene imaging** **Dominique Ausserre**, Université du Maine, France
14:10-14:30	**What Landauer Limit? Ultra-low power electronics, and the minimum energy for computation** **Gregory L Snider**, University of Notre Dame, USA
14:30-14:50	**Physical models of LENR processes using the BSM-SG atomic models** **Stoyan Sarg Sargoytchev**, World Institute for Scientific Exploration, USA
14:50-15:10	**Resistive switching in Mott insulators: From phenomenology to Mott memories** **Julien Tranchant**, Universite de Nantes, France
15:10-15:30	**High resolution imaging of the chemical reactivity of surfaces by opto-electrochemical microscopies** **Frederic Kanoufi**, Universite Paris Diderot, France
	Coffee Break 15:30-15:45 @ Foyer
15:45-16:05	**Titania nanotubes for energy applications** **Latika Menon**, Northeastern University, USA
16:05-16:25	**Structural analysis of aluminum-based hydrides by high intensity neutron total diffractometer (NOVA)** **Kazutaka Ikeda**, KEK, Japan
16:25-16:45	**A unified conductivity expression for ohmic and space-charge conduction in solid dielectrics** **Ho-Kei Chan**, University of Nottingham, UK
16:45-17:05	**Functionalized nanomaterials for specific lanthanide separations and nuclear wastewater treatment** **Md Rabiul Awual**, Japan Atomic Energy Agency, Japan
17:05-17:25	**Mass-selected nanoparticles as model catalysts for electrochemical energy conversion** **Ifan E L Stephens**, Technical University of Denmark, Denmark
17:25-17:45	**Dielectric and magnetic properties of metals doped $BiFeO_3$ nanoparticles** **Bashir Ahmmad**, Yamagata University, Japan
17:45-18:05	**Selective sleuthing of fluorescent Pseudomonas through ion trafficking across gold-polycarbonate composite nanoporous membrane** **Krishna Pal Singh**, G.B. Pant University of Agriculture and Technology, India
18:05-18:15	**Atomic-scale structural characterization of InAs/GaAs based quantum-dot nanostructures** **Shenwei Tan**, The University of Sydney, Australia
18:15-18:25	**Wide band gap quantum dots sensitized α-Fe_2O_3 thin film for solar generation of hydrogen** **Ashi Ikram**, Dayalbagh Educational Institute, India
	Redwood-Sequoia
	Track-10: Applications of Nanotechnology
	Session Chair: Aharon Gedanken, Bar-Ilan University, Israel **Session Co-Chair: Ryszard Ostaszewski**, Institute of Organic Chemistry PAS, Poland
	Session Introduction
09:55-10:15	**Radical reactions with nano-particles suspended in aqueous solutions** **Dan Meyerstein**, Ariel University, Israel
10:15-10:35	**The hospital of the future: Avoiding bacterial infection by making all the textiles antibacterial** **Aharon Gedanken**, Bar-Ilan University, Israel
10:35-10:55	**Stereo selective bionanocatalysis on gold nanoparticles** **Ryszard Ostaszewski**, Institute of Organic Chemistry PAS, Poland

Coffee Break 10:55-11:10 @ Foyer

11:10-11:30	**Fast and slow laser light with femtosecond duration of pulse propagating in medium with nanorods due to frequency self-modulation** **Vyacheslav A Trofimov,** Lomonosov Moscow State University, Russia
11:30-11:50	**Evolution of raman spectrum of graphene with thickness of SiO_2 capping layer on Si substrate** **Lun Dai,** Peking University, China
11:50-12:10	**Interfaces and molecular mobility in polymer nanocomposites** **Ulrich Scheler,** Leibniz-Institut fur Polymerforschung Dresden e. V., Germany
12:10-12:30	**Polymeric Lutein nanoparticles as nano nutraceuticals** **Aswathy Ravindran Girija,** Toyo University, Japan
12:30-12:50	**Nanoscience and nanotechnology of transparent electrodes** **Daniel Bellet,** CNRS - Grenoble INP, France

Lunch Break 12:50-13:30 @ Tibaron-Sausalito

13:30-13:50	**Nanosized precipitates during subsurface oxidation of steels – turning a corrosion problem into a mechanism to increase mechanical properties** **Michael Auinger,** InnovMath, Austria
13:50-14:10	**Wide band gap ZnO nanostructures: Tailoring of defect concentrations for ferromagnetic and gas sensing properties in materials** **David E Motaung,** Council for Scientific and Industrial Research, South Africa
14:10-14:30	**Anaerobic microbial desulfurization of kerosene** **Semiu A Kareem,** Modibbo Adama University of Technology, Nigeria
14:30-14:50	**Effect of nanomaterials on physical and rheological properties of asphalt binder used in Jordan** **Mohammad Ali Khasawneh,** Jordan University of Science and Technology, Jordan
14:50-15:10	**Layer by layer assembly of graphene and ultrathin vanadium pentoxidecoated MWCNTs on textile fabrics for high flexible supercapacitor electrodes** **Imran Shakir,** King Saud University, Saudi Arabia
15:10-15:30	**Phytofabrication of silver nanoparticles using indigenous medicinal plants and analysis of their antimicrobial property** **Raj Kumari Sanjukta,** ICAR, India
15:30-15:40	**Hybrid nanoparticles for controlled active component loading and release** **Megdi Eltayeb,** University College London, UK
15:40-15:50	**Solute concentration-dependent contact angle hysteresis and evaporation stains** **Yueh-Feng Li,** National Central University, Taiwan

Closing Ceremony

Day 1 December 01, 2014

15:00-17:00 Poster Presentations Session 1 from P-001-P-030 @ Redwood-Sequoia

P-001	**Paclitaxel loaded cationic solid lipid nanoparticle formulation, preparation and evaluation** **Ahmet Alper Ozturk,** Anadolu University, Turkey
P-002	**Production of ion exchange membrane based polystyrene butadiene rubber for hydrogen fuel cell** **Alain I Mufula,** University of the Witwatersrand, South Africa
P-003	**The use of phenylalanine- and polyethylene glycol-modified nano-chitosan in house dust mite allergen immunotherapy** **Amornpun Sereemaspun,** Chulalongkorn University, Thailand
P-004	**Hierarchically ordered porous titano-silicate with mesoporous and microporous pore walls for the oxidation of bulkier organic molecules** **Amritvir Kaur,** University of Central Lancashire, UK
P-005	**Strategist PLGA nano-capsules to deliver siRNA for inhibition of carcinoma and neuroblastoma cell lines by knockdown of proto-oncogene** **Archana M Raichur,** Toyo University, Japan
P-006	**Nanowired antioxidant compound H-290/51 downregulates ubiquitin and heat shock proteins expressions and attenuates exacerbation of spinal cordpathology in diabetic rats following trauma** **Aruna Sharma,** Uppsala University, Sweden
P-007	**Wide band gap quantum dots sensitized α-Fe_2O_3 thin film for solar generation of hydrogen** **Ashi Ikram,** Dayalbagh Educational Institute, India

P-008 **Preparation and characterization of meta-aramid copolymersin different diacid chloride composition**
Chan Sol Kang, Chungnam National University, Korea

P-009 **Composition-dependent electrocatalytic properties of copper sulfides and their implication in quantum dot sensitized solar cells**
Chung Soo Kim, Hanyang University, Korea

P-010 **An ultrasensitive electrochemical detection of protein molecules via nanoparticle-electrode collisions**
Da Li, Deakin University, Australia

P-011 **Preparation of oral extended-release formulations containing nanospheres**
Duc P Do, Chicago State University, USA

P-012 **Formulation development of nanoparticles for cancer therapy**
Duc P Do, Chicago State University, USA

P-013 **Photocatalytic oxidation of methylene blue dye under visible light by Ni doped Ag_2S nanoparticles**
E S Aazam, King Abdulaziz University, Saudi Arabia

P-014
Eman ELAshiry, King Abdulaziz University, Saudi Arabia

P-015 **Full time and temperature scaling for nanoconfined fluids**
Floralba Lopez, Universidad de Los Andes, Venezuela

P-016 **Gaba containing polymeric nanoparticulate system for brain delivery**
G Yurtdas Kirimlioglu, Anadolu University, Turkey

P-017 **Nanoencapsulation technique for vitamin A protection in starchy flakes**
Hoerudin, Indonesian Agency for Agricultural Research and Development, Indonesia

P-018 **Size is relative: When is a charged sphere small enough to be considered a point charge, and large enough to be considered a charged plane?**
Ho-Kei Chan, University of Nottingham, UK

P-019 **Carbon nanotubes and nanowalls on highly-porous alumina**
Igor Levchenko, CSIRO Materials Science and Engineering, Australia

P-020 **Polydoapamine-coated graphene Oxide/PEDOT hybrid thin film by electrochemical synthesis for supercapacitors**
Inhwan Cha, Sungkyunkwan University, Korea

P-021 **Influence of temperature on the synthesis of MnO_2: characterization and application for supercapacitor**
Inyeong Park, Inha University, Korea

P-022 **Preparation of nano-structured $CuO/ZnO/Al_2O_3$Catalyst for the synthesis of methanol from syn gas**
Jaeyong Jang, Inha University, Korea

P-023 **Physico-chemical studies on transition metal ferrites obtained from the thermolysis of transition metal tris(malonato) ferrate(III) precursors**
Jashanpreet Singh, Bhai Maha Singh College of Engineering, India

P-024 **Detection of aspergillus species using single-walled carbon nanotube-based sensors**
Junhyup Kim, Chungnam National University, Korea

P-025 **Structural and Vibrational Studies of Ni Alx Fe2-x O4 Ferrites ($0 \leq x \leq 1$)**
K Taibi, Université Djilali Liabes, Algeria

P-026 **Screening of antimicrobial activity of biocide masterbatches**
Katerina Klanova, National Institute of Public Health, Czech Republic

P-027 **Biotoxicity of free and chitosan-coated iron nanoparticles in *Drosophila melanogaster***
Pilaquinga M, Pontifical Catholic University of Ecuador, Ecuador

P-028 **Hybrid nanoparticles for controlled active component loading and release**
Megdi Eltayeb, University College London, UK

P-029 **pH Control of transfer of nanoparticles from aqueous to oleic phase**
Michalina Iwan, Polish Academy of Sciences, Poland

P-030 **Effect of Au deposition on virus-based colorimetric films**
Minjun Park, Korea University, Korea

Day 1 December 01, 2014

17:00-19:00 Poster Presentations Session 2 from P-031-P-062 @ Redwood-Sequoia

P-031 **Structural characterization thin film grown by thermal evaporation of nanocrystalline Cu_{70} Fe_{30}**
Mohammed Azzaz, USTHB, Algeria

P-032 **Hydrothermal synthesis of hierarchical MoO3- MWCNTs nanocomposites for electrochemical energy storage devices**
Muhammad Imran Shakir, King Saud University, Saudi Arabia

P-033 **Dental pulp revascularization of necrotic permanent teeth with immature apex: 24 month follow up in vivo study**
Najat Farsi, King Abdulaziz University, Saudi Arabia

P-034 **Tissue engineering for immature teeth with apical periodontitis in dogs**
Najlaa Alamoudi, King Abdulaziz University, Saudi Arabia

P-035 **Luminescence properties of pure and doped $CaSO_4$ nanorods irradiated by 15 MeV e-beam**
Najlaa D Alharbi, King Abdulaziz University, Saudi Arabia

P-036 **Photocatalytic activity of N-doped TiO_2 produced by sol-gel method and anodizing method in degradation of RO-16**
Navid Zanganeh, Mississippi State University, USA

P-037 **Effect of calcination temperature on CeO_2 nanoparticle size distribution synthesized via microemuslsion method**
Navid Zanganeh, Mississippi State University, USA

P-038 **Supramolecular complexation between drugs indomethacin, piroxicam and emodin and cucurbit[n] urils on solution and adsorbed on silver nanoparticles**
Paz Sevilla, Universidad Complutense de Madrid, Spain

P-039 **Biodegradable core-shell polymeric nanostructures as oral delivery carrier for cromolyn sodium**
Ravi R Patel, Indian Institute of Technology, India

P-040 **Theranostic approach of hyaluronic acid-based nanoparticle**
Reju George Thomas, Chonnam National University, USA

P-041
Rodrigo Albuquerque, University of Sao Paulo, Brazil

P-042 **Pyridylimine cobalt (II) and nickel (II) complex-functionalized multi-walled carbon nanotubes and their catalytic activities for ethylene oligomerization**
Saad M. Alshehri, King Saud University, Saudi Arabia

P-043 **Intranasal delivery of asenapine loaded nanostructured lipid carriers for treatment of schizophrenia**
Sanjay Kumar Singh, Indian Institute of Technology, India

P-044 **PLASENS - Plasmonic nanoparticles for surface-enhanced Raman pesticide sensing inside interparticle hot spots created by dithiols**
Santiago Sanchez-Cortes, Instituto de Estructura de la Materia, Spain

P-045 **Capillary force model to express bonding between two velcro-like surfaces at ambient environment**
Shervin Keshavarzi, Furtwangen University, Germany

P-046 **Environmental reliability study of solution processed oxide transistor**
Sung-Jin Kim, Chungbuk National University, South Korea

P-047 **Synthesis and electrochemical analysis of molybdenum sulfide promoted by various metals for hydrogen evolution reaction**
Taewoo Kim, Inha University, Korea

P-048 **The facile synthesis of Pdnanoflowers with excellent catalytic activity towards CO oxidation: Effect of process parameters**
Tareque Odoom-Wubah, Xiamen University, China

P-049 **Green preparation of carbon-silica composites**
Tengyao Jiang, The University of York, UK

P-050 **Polarization dependent interaction of plasmonic nanoparticles on semiconductor surface**
Tibor Gal, Budapest University of Technology and Economics, Hungary

P-051 **Preformulation study of olopatadine hydrochloride for the treatment ocular allergy**
Umay Merve Guvea, Anadolu University, Turkey

P-052 **Microstructures, thermal and electrical properties of poly(phenylene sulfide)/carbon nanotube nanocomposite films**
Young Ju Kim, Chungnam National University, Korea

P-053 **Solute concentration-dependent contact angle hysteresis and evaporation stains**
Yueh-Feng Li, National Central University, Taiwan

P-054 **Fabrication of InAs/AlSb/GaSb TFETs by using HSQ as a mechanical support**
Yuping Zeng, University of California at Berkeley, USA

P-055 **Fourier plane imaging microscopy**
Nouf Alharbi, Texas Tech University School of Science, USA

P-056 **Designing a drug-delivery vehicle with Au-Fe_3O_4-Graphene quantum dots: A tri-pronged mechanism for Bioimaging, synaphic delivery and apoptosis induction in Cancer cells**
Goldie Oza, CINVESTAV-IPN, Mexico

P-057 **Testing the efficiency of a hybrid nanoparticulate drug delivery system for use in bone regeneration with distraction osteogenesis**
Lamees Nayef, McGill University, Canada

P-058 **Monodispersed hybrid nanorattles of metal nanocore with hairy electroactive polymer shell: synthesis and unique electrical behaviors**
Luxin Wang, East China University of Science and Technology, China

P-059 **Chemo-preventive effects exerted by Bromelain encapsulated in poly (lactic co-glycolic acid) nanoparticles against chemically induced two-stage skin tumorigenesis model in mice**
Priyanka Bhatnagar, Delhi University Campus, India

P-060 **Active tunable release of therapeutics through the nanochannel Delivery System (nDS)**
Thomas Geninatti, Houston Methodist Research Institute, USA

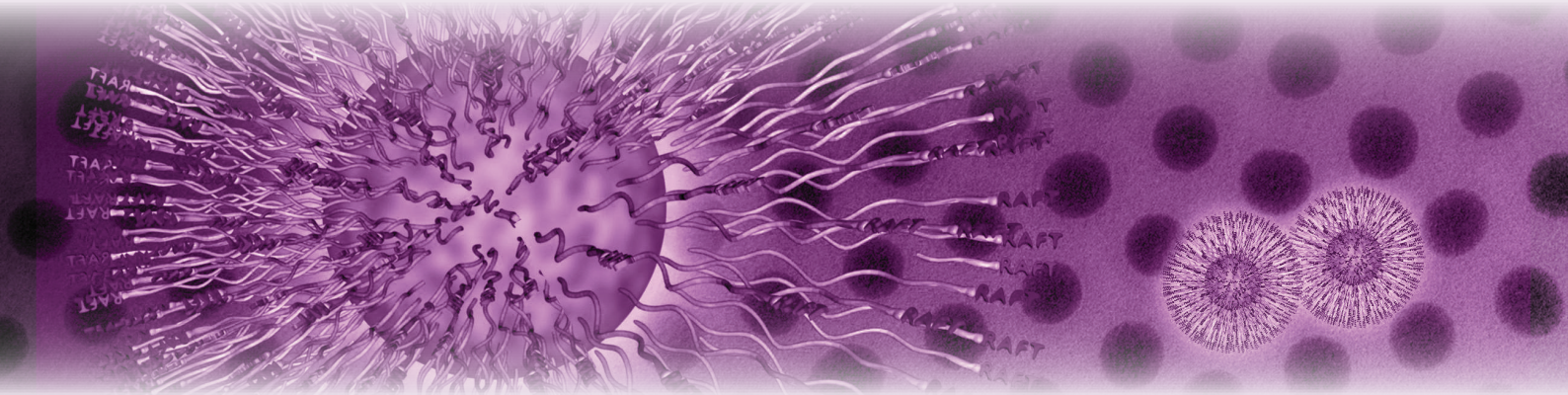
P-061 **Researchon the influence of the free carbononthe catalytic performance of tungsten carbide**
Zhiwei Liu, University of Science and Technology Beijing, China

P-062 **Flexible thin film sensors based on multifunctional carbon nanomaterial hybrid nanocomposites**
Abderrahmane Benchirouf, TechnischeUniversität Chemnitz, Germany

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