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770th Conference

Scientific Program

11th International Conference and Expo on

Nanoscience and Molecular Nanotechnology

October 20-22, 2016 Rome, Italy



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Day 1 October 20, 2016

09:00-09:30 Registrations

OLIMPICA

conferenceseries.com 09:30-10:00

Opening Ceremony

Keynote Forum

10:00-10:30 **Title: Nanoparticles for treatment of Alzheimer Disease**
Dr Massimo Masserini, University of Milano-Bicocca, Italy

10:30-11:00 **Title: Tuning nanomaterials' properties to boost photoconversion efficiency in excitonic solar cells**
Dr Alberto Vomiero, Luleå University of Technology, Sweden

Networking and Refreshments Break: 11:00-11:15 @ Foyer

11:15-11:45 **Title: The role of nanosystems in oil and gas production**
Dr Valeh Shamilov, State Oil Company of Azerbaijan Republic, The Republic of Azerbaijan

Panel Discussion

Group Photo session @ 11:45-11:55

Sessions:
Nano-Fabrication, Characterization | Nanomedicine and Nanobiotechnology | Nanotechnology in Energy Molecular Nanotechnology | Nanotechnology for Safety, Regulations and Ethics

Session Chair: Massimo Masserini, University of Milano-Bicocca, Italy
Session Chair: Anna Rita Bilia, University of Florence, Italy

Session Introduction

12:00-12:20 **Title: Accurate and simultaneous biological targets identification by optically active nanoprobes**
Dr Nekane Guarrotxena, ICTP-CSIC, Spain

12:20-12:40 **Title: Targeted nanodelivery to treat chronic kidney disease. Nanomaterial design, response of podocytes and the role of glomerular filtration barrier**
Stefanio Ordanini, Politecnico di Milano, Italy

12:40-13:00 **Title: Natural Products Loaded In Nanocarriers: An Opportunity To Increase Stability, Oral Bioavailability And Bioefficacy**
Dr Anna Rita Bilia, University of Florence, Italy

13:00-13:20 **Title:The capabilities of X-ray excited optical luminescence by using X-ray nanoprobe beamline aimed for 40nm spatial resolution at Taiwan Photon Source.**
Dr Bi-Hsuan Lin, National Synchrotron Radiation Research Center, Taiwan

Lunch Break 13:20-14:00 @ Hotel Restaurants

14:00-14:20 **Title: A new stitching Soft X-ray interference lithography technique**
Dr Wu Yanqing, Shanghai Institute of Applied Physics, P R China

14:20-14:40 **Title: Using laser-induced jets fabrication method to control the particle size and alloy ratio of nanoparticle arrays**
Dr Shao-Chin Tseng, National Synchrotron Radiation Research Center, Taiwan

14:40-15:00 **Title: Poly-dopamine coated nano-size liposomes as novel drug carriers**
Wei Zong, Harbin Institute of Technology, P R China

15:00-15:20 **Title: Design and Synthesis of Magnetic Nanoparticles by Microwave Strategy**
Yi-Jun Liang, Southeast University, P R China

15:20-15:40 **Title: Hierarchical Release of Liposomes with Aqueous Two Phase System-A New Strategy for Long-circulating Liposomes**
Xunan Zhang, Harbin Institute of Technology, P R China

15:40-16:00 **Title: Facile Encapsulation of Gold Nanoparticles into PLGA Nanocarriers: Toward Visualizing Polymeric Nanoparticles Inside Biological Compartments**
Alaaldin M. Alkilany, University of Jordan, Jordan

Networking and Refreshments Break: 16:00-16:20 @ Foyer

16:20-16:40 **Title: Synthesis, structural properties and applications of zinc oxide nanowires growth on different substrates**
Paula Obreja, National Institute for R&D in Microtechnologies (IMT-Bucharest), Romania

16:40-17:00 **Title: I-CRLMNP: Immobilization of Candida rugosa lipase on magnetic nanoparticles with three different surface modifications**
Marzieh Aghababie, University of Isfahan, Iran

17:00-17:20 **Title: Fabrication and characterization of Polyvinyl alcohol nanofiber**
Nazanin Ghafari, Islamic Azad University, Iran

Panel Discussion

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Keynote Forum

09:30-10:10 **Title: Flame Retardants Nanocomposites-Synergy Effect Of Combining Conventional Antypirenes With Carbon Nanofillers**
Dr Ewa-Kicko Walczak, Institute for Engineering of Polymers Materials and Dyes, Poland

10:10-10:40 **Title: The interaction of nano-archeasomes with lung surfactant in monolayer biomimetic systems**
Dr E Anibal Disalvo, CIBAAL, Argentina

Sessions:
Advanced Nanomaterials | Nano-Electronics and Microsystems | Applications of Nanotechnology Industrial Nanotechnology | Nanotechnology for Oil and Gas Industry | Medical Nanotechnology in cancer therapy | Biomedical Nanomaterials | NanoTechnology for environment protection

Session Chair: Ewa-Kicko Walczak, Institute for Engineering of Polymers Materials and Dyes, Poland
Session Chair: Alexander Soldatov, Southern Federal University of Russia, Russia

Session Introduction

Panel Discussion

10:40-11:00 **Title: Smart organic-inorganic hybrid nanomaterials. Design and functionality**
Dr Nekane Guarrotxena, ICTP-CSIC, Spain

Networking and Refreshments Break: 11:00-11:20 @ Foyer

11:20-11:40 **Title: Low power Up-conversion Nano-Materials for Solar Applications and Bio-theranostics**
Angelo Monguzzi, Università degli Studi Milano-Bicocca, Italy

11:40-12:00 **Title: Synchrotron Based Picoscale Local Atomic Structure Characterization of Advanced Nanomaterials for Nano-Bio-Med Applications**
Alexander Soldatov, Southern Federal University of Russia, Russia

12:00-12:20 **Title: Novel magnetically separable nanocomposites as visible-light-driven photocatalysts with highly enhanced activity**
Aziz Habibi-Yangjeh, University of Mohaghegh Ardabili, Iran

12:20-12:40 **Title: Nanofabrication strategies for influencing biomolecule behavior**
P Guida, University of Genoa, Italy

12:40-13:00 **Title: Geometry Induced Doping in Thin Si Nano-grating Layers**
Mikheil Mebonia, Peter Grünberg Institut PGI, Germany

13:00-13:20 **Title: Research on nano-particle film preparation having a flexible magnetothermal response and good biocompatibility**
Fengguo Fan, Southeast University, P R China

Lunch Break: 13:20-14:00 @ Hotel Restaurants

14:00-14:20 **Title: Comprehensive study of ZAIS Nanocrystals photo-physics**
Gilles Le Blevennec, Univ Grenoble Alpes, France

14:20-14:40 **Title: Polymeric nanochannels for studing DNA and for counting natural and engineered nanoparticles**
Elena Angeli, Univerisity of Genova, Italy

14:40-15:00 **Title: Removal of Dye Contaminants from Waste Water by Using Highly Cross-Linked Polymer as Novel Adsorbant**
Cansel Tuncer, Eskisehir Osmangazi University, Turkey.

15:00-15:20 **Title: Albumin-Gold Nanorods Based Core-Shell Nanoplatforms for Cancer Theranostics**
Hsien-Ting Chiu, National Tsing Hua University, Taiwan, R.O.C

15:20-15:40 **Title: Conservation Of Historical Documents With Silver/Chitosan Nanocomposite**
Güncem Özgün Eren, Yıldız Technical University, Turkey.

15:40-16:00 **Title: Synthesis and Characterization of Superparamagnetic Colloidal Nanoparticles for Theranostics in Oncology**
Elena Kuchma, Southern Federal University, Russia.

Networking and Refreshments Break: 16:00-16:10 @ Foyer

Special Keynote Session

16:10-16:40	**Title: Energy harvesting form solar light by nano structural controlled iron oxide thin films** **Hitoshi Tabata,** University of Tokyo, Japan
16:40-17:00	**Title: In-vitro Controlled Release of 5-FU Drug from a Stimuli-Responsive Microjel/Liposome Biomaterials at Different Temperature** **Damla Ülker,** Eskisehir Osmangazi University, Turkey
17:00-17:20	**Title: Applications of nanotechnology in oil and gas industry** **Faseeh Ahmad Khan,** DIT University, India
17:20-17:40	**Title: Skin permeation characterization for conjugated carboxymethyl-oligochitosan-carboxymethyl-5-fluorouracil nanoparticles** **Mazita Mohd Diah,** iPROMISE, Malaysia

Poster Presentations @ Cassia

Poster Judge: Hitoshi Tabata, University of Tokyo, Japan

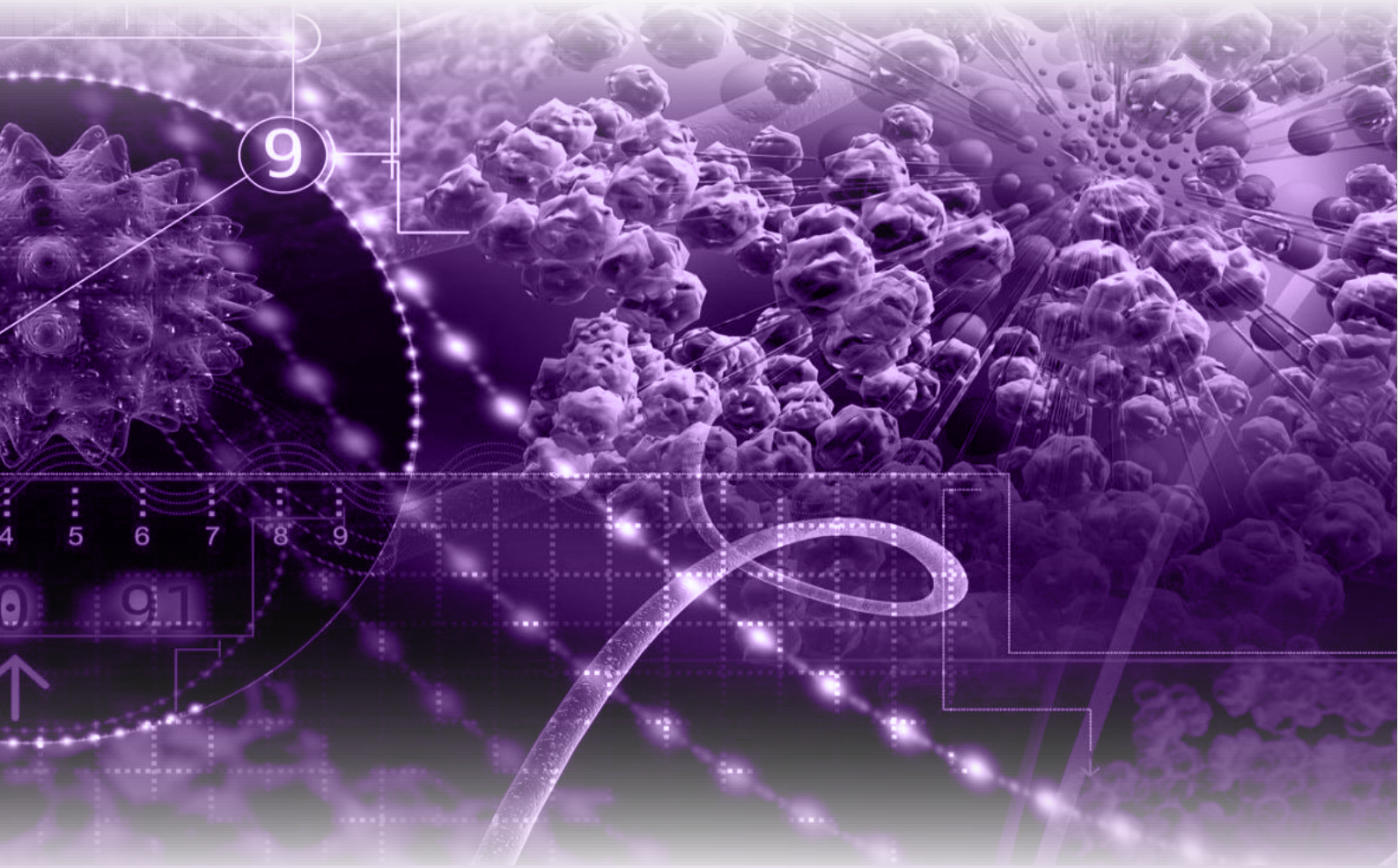
NSC-01	**Title: Antigen encapsulated O-carboxymehtyl chitosan nanoparticles for vaccine delivery** **Natalia Marchesan Bexiga,** Sao Paulo University School of Pharmaceutical Sciences, Brazil
NSC-02	**Title: Single nanowire on graphene (SNOG) as an efficient, reproducible, and stable SERS-active platform** **Taejoon Kang,** Korea Research Institute of Bioscience and Biotechnology (KRIBB), Korea
NSC-03	**Title: Preparation of pyrenyl-based multifunctional nanocomposites for biomedical applications** **Eun-Kyung Lim,** Korea Research Institute of Bioscience and Biotechnology, Korea
NSC-04	**Title: Production of CdS Nanoparticles with Different Methods and Their Usage in Waste-Water Treatment** **Cansel Tuncer,** Eskisehir Osmangazi University, Turkey
NSC-05	**Title: Stimuli-Responsive Microjel/Liposome Hybrit Biomaterials For Controlled and Targeted Drug Release Applications** **Vural Butun,** Eskisehir Osmangazi University, Turkey
NSC-06	**Title: Dispersion of carbon nanotubes by (in) gemini surfactants solution** **Michalina Scupin,** Adam Mickiewicz University, Poland
NSC-07	**Title: Investigation of behavior of water protons in close proximity to Multiwalled Carbon Nanotubes coated by Gemini Surfactants** **Justyna Iżykowska,** Adam Mickiewicz University, Poland
NSC-08	**Title: Investigation of morphology and stability of carbon nanomaterials dispersions with surfactants.** **Augustyn Moliński,** Adam Mickiewicz University, Poland
NSC-09	**Title: The study of electrostatic properties and dispersion quality of the aqueous solutions of carbon nanotubes with dimeric surfactants** **Jakub Zareba,** Adam Mickiewicz University, Poland
NSC-10	**Title: Ketoprofen –loaded nanoparticles PLGA – PEG conjugated with a peptide of ocular delivery** **Roberto Carlos Gónzalez Pizarro,** University of Barcelona, Spain
NSC-11	**Title: Direct synthesis of hydrogen peroxide from hydrogen and oxygen over core-satellite nanocatalysts protected by a mesoporous silica shell** **Myung-gi Seo,** Korea University, South Korea
NSC-12	**Title: A new stitching Soft X-ray interference lithography technique** **Jun Zhao,** Shanghai Institute of Applied Physics, P R China
NSC-13	**Title: Polyacrylic Acid Coated PAMAM Dendrimer Nanocluster as a pH-Responsive Drug Delivery Vehicle for Targeted Therapy** **Tsu-An Yang,** National Chiao Tung University, Taiwan
NSC-14	**Title: Nano-Bio-Integration of Albumin-Gold Nanorods Laden Macrophage for Tumortropic Drug Delivery and Controlled Release in Cancer Therapy** **Hsien-Ting Chiu,** National Chiao Tung University, Taiwan
NSC-15	**Title: Electrospun Polystyrene (PS) Nanofibers Loaded with Polyvinylchloride (PVC) Particles for Crude Oil Spill Cleanup** **Mohamed Alazab Alnaqbi,** United Arab Emirates University, United Arab Emirates
NSC-16	**Title: Biopolymer nanocomposites based on poly(hydroxybutyrate-co- hydroxyvalerate) and WS2 inorganic nanotubes** **Mohammed Naffakh,** Escuela Técnica Superior de Ingenieros Industriales (ETSII-UPM), Spain

NSC-17	**Title: Novel electrospun composite nanofibres incorporating conducting polyaniline for wound healing applications** **Panagiota Moutsatsou,** Loughborough University, UK
NSC-18	**Title: Cytotoxic effects and intracellular trafficking pathways of conjugates of AFP receptor binding domain with different charged PAMAM dendrimers in tumor cells** **Nikita Yabbarov,** A. Tsyb Medical Radiological Research Centre, Russia
NSC-19	**Title: Study of some effective parameters on characterization of gelatin nanofiber prepared from gelatin-acetic acid solution** **Kooshina Koosha,** Islamic Azad University, Iran

Day 3 October 22, 2016

Extended Networking and Lunch

Closing Ceremony



Bookmark your dates

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