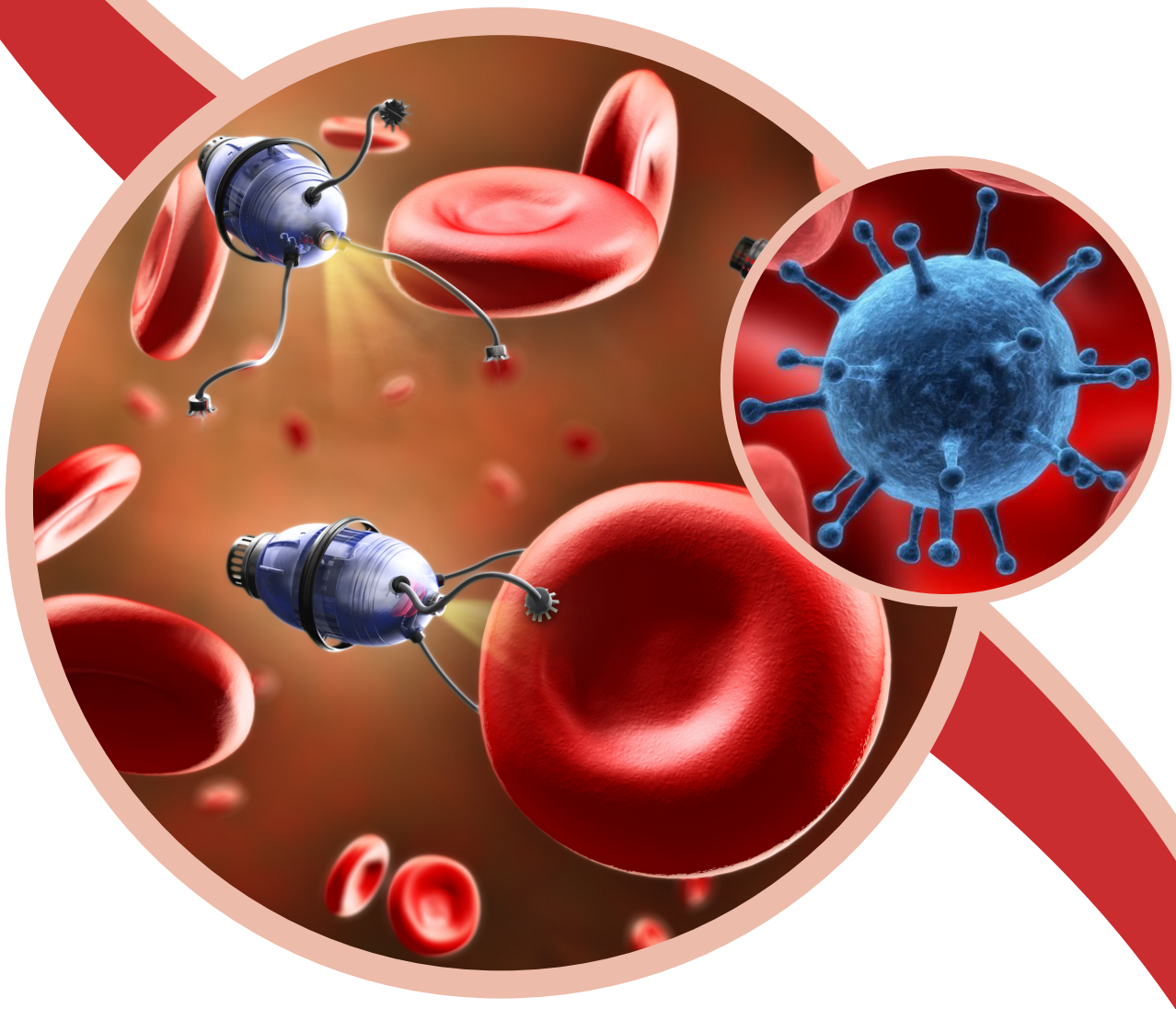
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Scientific Program

16th World

Nano Conference

June 05-06, 2017 Milan, Italy



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Day 1 June 05, 2017

09:00-09:15 Registrations

Barcelona 1

conferenceseries.com 09:15-09:30 **Opening Ceremony**

Keynote Forum

Introduction

09:30-10:00 **Title: The causal link between Nano -Toxicology and human health: DNA damage by UV emission from nanoparticles**

Thomas Prevenslik, QED Radiations, China

10:00-10:30 **Title: S-Nitrosated human serum albumin dimer with superior antitumor activity, long blood retention and excellent EPR effect**

Masaki Otagiri, Sojo University, Japan

10:30-11:00 **Title: Tuning plasmon resonance of In_2O nanocrystals throughout mid-infrared: dopant, phase, and electronic structure dependence**

Pavle V. Radovanovic, University of Waterloo, Canada

Group Photo @ 11:00-11:05

Networking and Refreshment Break 11:05-11:20@ Foyer

11:20-11:50 **Title: Surface-engineered tungsten disulfide (WS_2) inorganic nanotubes (INTs-WS_2) – novel chemically modified nanoscale CNT-replacement inorganic "Nanofillers"**

Jean-Paul Lellouche, Bar-Ilan University, Israel

Plenary Session

11:50-12:20 **Title: Ensemble Monte Carlo methods and results for nanoscale Si and III-V n-channel FinFETs; non-equilibrium degenerate statistics, quantum-confined scattering and more**

Leonard F Register, University of Texas at Austin, USA

12:20-12:50 **Title: Defluorination-assisted nanotube-substitution reaction with ammonia gas for synthesis of nitrogen-doped single-walled carbon nanotubes**

Yoshinori Sato, Tohoku University, Japan

12:50-13:20 **Title: Novel silicon nano-objects**

María E Dávila, Instituto de Ciencia de Materiales de Madrid - ICMM - CSIC, Spain

Lunch Break 13:20-13:50 @ Restaurant

13:50-14:20 **Title: Metamaterial device design with the extended modal theory**

Nathalie Raveu, LAPLACE - Centre National de la Recherche Scientifique, France

14:20-14:50 **Title: Electrically driven nanogap optical antennas**

Claire Deeb, Centre de Nanoscience et de Nanotechnologies, France

14:50-15:20 **Title: A novel nanometric cubic phase in monochalcogenide semiconductors – theory and experiment**

Guy Makov, Ilse Katz Institute for Nanoscale Science and Technology, Israel

Panel Discussion

Sessions: Nanoscience and Technology | Nano Medicine | Nano Toxicology | Nanophotonics | Nano Composites | Nano Fluidics | Nanotechnology in Agriculture and Food Industry

Session Chair: Jean-Paul Lellouche, Bar-Ilan University, Israel

Session Co-chair: Masaki Otagiri, Sojo University, Japan

Nano 2017

Session Introduction

15:20-15:40	**Title: Nanotechnology in liver cancer** **Manfred George Krukemeyer,** Paracelsus-Hospital Osnabrueck, Germany
15:40-16:00	**Title: Probing atherosclerotic plaque permeability using fluorescent blood pool agents in ApoE$^{(-/-)}$ mouse model** **Claudia Cabella,** Bracco Imaging SpA, Italy

Networking and Refreshment Break 16:00-16:15@ Foyer

16:15-16:35	**Title: Nanotechnology: Applications and risks** **Akbar S Khan,** Defense Threat Reduction Agency, USA
16:35-16:55	**Title:The fantastic voyage of nanoparticles targeting Aβ** **Giulio Sancini,** University of Milano-Bicocca, Italy
16:55-17:15	**Title: Secondary electron emission from carbon nanoparticles by electron impact** **Isabel Montero,** Instituto de Ciencia de Materiales de Madrid - ICMM - CSIC, Spain
17:15-17:35	**Title: Reactions of radicals at nanoparticles surfaces** **Tomer Zidki,** Ariel University, Israel

YRF Session

YRF Judge: Pavle V. Radovanovic, University of Waterloo, Canada

17:35-17:50	**Title: Preparation and characterization of prednisone and ciprofloxacin double layer-loaded chitosan nanoparticles for oral delivery** **Modan Wu,** Dublin Institute of Technology, Ireland
17:50-18:05	**Title: The cytoplasmic escape pathway of polyethylenimine coated nanoparticles is altered by changing the nanoparticle concentration** **Kepsutlu Burcu,** Helmholtz-Zentrum Berlin, Germany
18:05-18:20	**Title: Functions of antigen presenting cells can be altered by gold nanoparticles exposure** **Alexis Gonon,** Institute of Advanced Biosciences-University Grenoble Alpes, France

Panel Discussion

Day 2 June 06, 2017

Keynote Forum

09:30-10:00	Introduction **Title: Band gap science for organic solar cells** **Masahiro Hiramoto,** Institute for Molecular Science, Japan
10:00 - 10:30	**Title: Transparent and conductive nanomaterials** **Daniel Bellet,** CNRS, France
10:30 - 11:00	**Title: Functional nanostructures and energy-driven water splitting** **Ming-Yong Han,** Institute of Materials Research and Engineering, Singapore

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

Plenary Session

11:15-11:45	**Title: Contact line dynamic of cassie-state wetting on ultrahydrophobic nano-structured surfaces** **Jiangtao Cheng,** Virginia Polytechnic Institute and State University, USA
11:45-12:15	**Title: Nanostructured supports design: a prospective way to modern catalysts constructing** **Vera I Isaeva,** National University of Science and Technology "MISiS", Russia
12:15-12:45	**Title: Copper nanoparticles: Retarding air-oxidation without electrical isolation using organic ligands, and the size dependence of nanoparticle work function** **Ross A Hatton,** University of Warwick, UK

Nano 2017

12:45-13:15	**Title: Atomic-scale characterization of semiconductor nanowire surfaces during device operation** **Rainer Timm,** Lund University, Sweden

Lunch Break 13:15-13:45 @ Restaurant

Panel Discussion

Sessions: Nano Electronics | Nano Biotechnology | Nanotechnology in Water treatment | Advanced Nanomaterials | Nanotech for Energy and Environment | Nano Materials Synthesis and Characterisation | Nanobiomaterials

Session Chair: Masahiro Hiramoto, Institute for Molecular Science, Japan

Session Co-Chair: Daniel Bellet, CNRS, France

Session Introduction

13:45-14:05	**Title: The ILs-assisted solvothermal synthesis of TiO_2 spheres: The effect of ionic liquids on morphology and photoactivity of TiO_2** **Ewelina Grabowska,** University of Gdansk, Poland
14:05-14:25	**Title: Synthesis of highly active supported Pt nanostructure via thermo-destabilization of microemulsions** **Riny Yolandha Parapat,** Technical University of Berlin, Germany
14:25-14:45	**Title: One-pot synthesis of hydrophilic Nd^{3+}:$Ba_{0.3}Lu_{0.7}F_{2.7}$ nano spheres: Crystal structure, X-ray computed tomography and NIR luminescence** **Ana Isabel Becerro,** Instituto de Ciencia de Materiales de Sevilla (CSIC-US), Spain
14:45-15:05	**Title: Electrowetting actuation of polydisperse nanofluid droplets** **Crismar Patacsil,** University of the Philippines Diliman, Philippines
15:05-15:25	**Title: Application of nanoparticles as biomolecular carriers** **Laleh Alisaraie,** Memorial University, Canada
15:25-15:45	**Title: Enzymatic synthesis and characterization of metallic nanoparticles for targeted application on antimicrobial biodegradable polymers** **Iva Rezić,** University of Zagreb, Croatia
15:45-16:05	**Title: Light-driven reversible shaping on azopolymeric structures** **Francesca Frascella,** Politecnico di Torino, Italy

Networking and Refreshment Break 16:05-16:20@ Foyer

16:20-16:40	**Title: Effect of cold atmospheric plasma application on nano-TiN coated Co-Cr dental alloy** **Emre Seker,** Eskisehir Osmangazi University, Turkey
16:40-17:00	**Title: Effect of cold atmospheric plasma on collagen membrane surface** **Basak Kusakci Seker,** Eskisehir Osmangazi University, Turkey
17:00-17:20	**Title: Pulsed laser deposited doped Cu_2O thin films for optical application** **Gurpreet Kaur,** Dr. B. R. Ambedkar National Institute of Technology, India

Video presentation

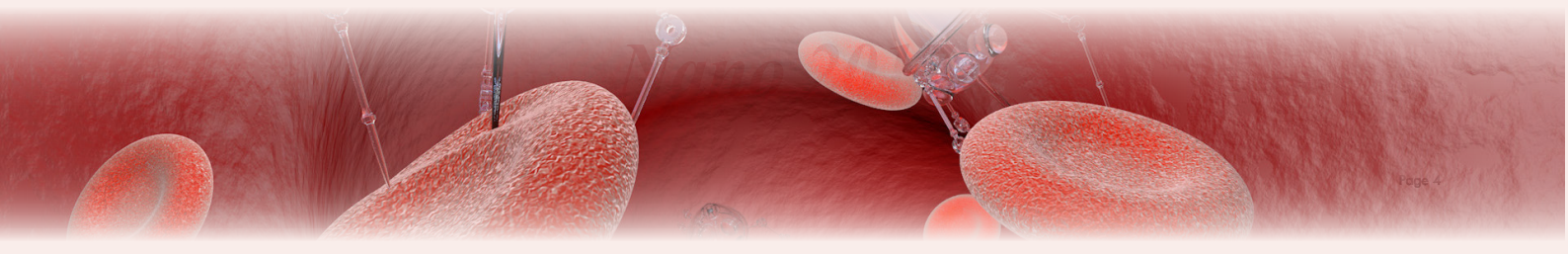
17:20-17:35	**Title: The effects of laser characteristics on melting of nano-particles on a surface** **Peng-Sheng Wei,** National Sun Yat-Sen University, Taiwan
17:35-17:50	**Title: Optical spin injection in atomic monolayers** **Norberto Arzate,** Centro de Investigaciones en Óptica, Mexico

Poster Presentations @ 17:50-18:20

Poster Judge: Yoshinori Sato, Tohoku University, Japan

Panel Discussion

Award & Closing Ceremony



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