

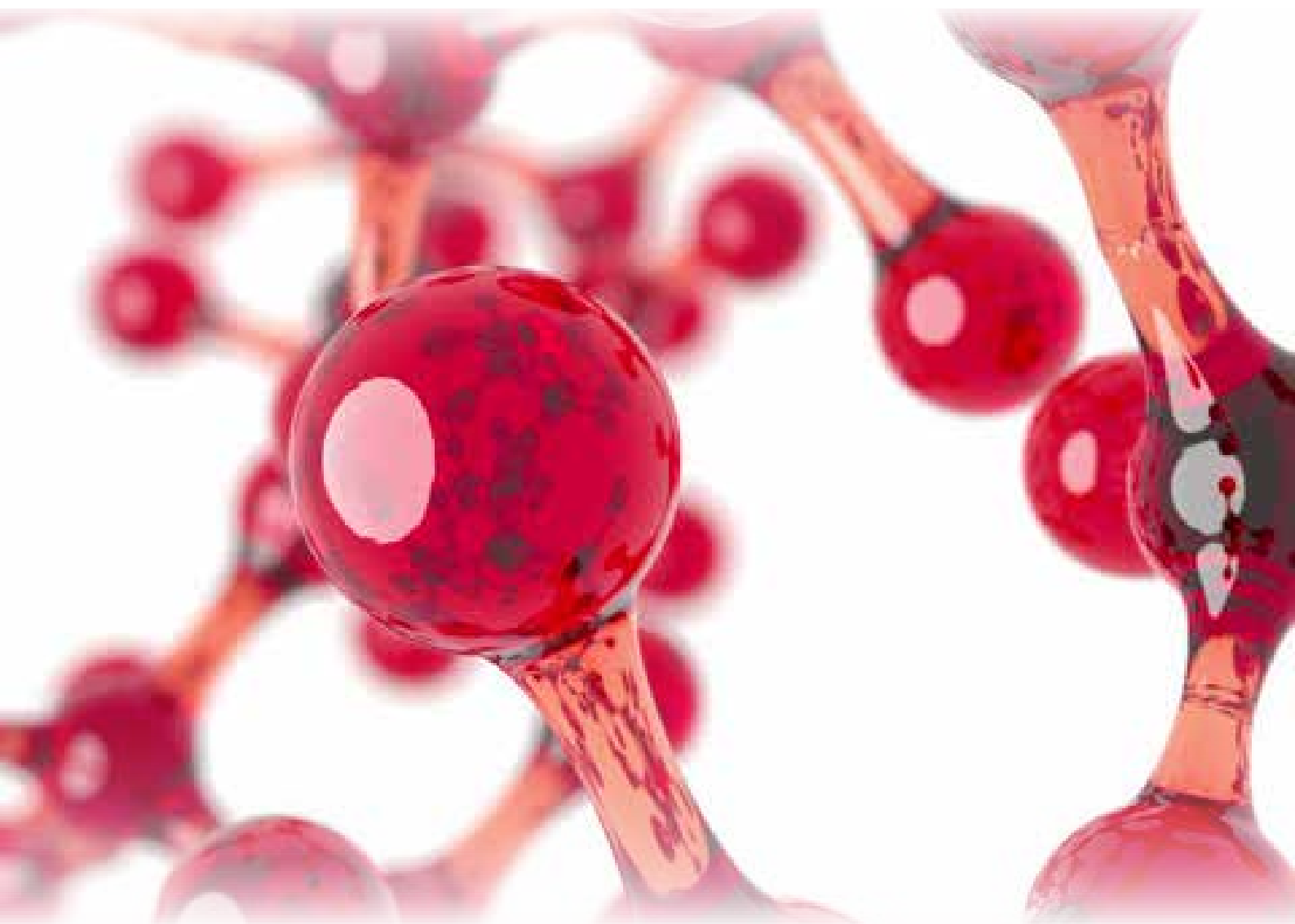
Scientific Program

Proceedings of

15th World

Medical Nanotechnology Congress

October 18-19, 2017 Osaka, Japan



Hosting Organization: Conference Series LLC

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08:30-09:00 Registrations

MAI (2F)

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09:00-09:10

Opening Ceremony

Keynote Forum

Introduction

- 09:10-09:50 **Title: Atlas of atomic nuclear structures according to the BSM-super-gravitation unified theory**
Stoyan Sarg Sargoytchev, World Institute for Scientific Exploration, USA
- 09:50-10:30 **Title: Impact of nano-biotechnology on the future of medicine (nanomedicine): The road toward precision medicine**
Shaker A Mousa, Albany College of Pharmacy and Health Sciences, USA
- 10:30-11:10 **Title: New trends in nanotechnology-based targeted drug delivery systems**
Hussein O Ammar, Future University, Egypt

Group Photo

Refreshments and Networking Break 11:10-11:30

- 11:30-12:10 **Title: Room-temperature terahertz microbolometer arrays for biomedical imaging applications**
Amit Banerjee, Shizuoka University, Japan

Sessions:

Nanomedicine and Drug Delivery | Drug Delivery and Therapeutics | Biosensors, Diagnostics and Imaging | Advanced Nanomaterials | DNA Nanotechnology

Session Introduction

Session Chair: Hussein Ammar, Future University, Egypt

Session Co-Chair: Anthony William, University of Tokyo, Japan

- 12:10-12:30 **Title: Observing the molecular mechanical properties of DNA**
Anthony William, University of Tokyo, Japan
- 12:30-12:50 **Title: Thin film metallic glass: A promising coating for biomedical applications**
Jinn P Chu, National Taiwan University of Science and Technology, Taiwan

Lunch Break 12:50-13:50 @ 3F Regency DE

- 13:50-14:10 **Title: Oral nanocarrier for insulin colon delivery**
Miriam Colombo, University of Milano-Bicocca, Italy
- 14:10-14:30 **Title: Protamine conjugated fluorochromes: A new photosensitizer for photodynamic tumor therapy**
Hoonsung Cho, Chonnam National University, South Korea
- 14:30-14:50 **Title: Study and quantification of the endosomal escape mechanism for the delivery of nanoparticles as therapeutic agents**
Jessica Armida Bertolini, University of Milano-Bicocca, Italy
- 14:50-15:10 **Title: Labeling cells with fluorinated silicon nanoparticles for targeted 19F-MRI and Fluorescence Imaging**
Yuqi Yang, Central China Normal University, China

Refreshments and Networking Break 15:10-15:30

- 15:30-15:50 **Title: PLGA-PAA copolymers: Their size and structure influenced drug delivery applications**
Elham Ahmadi, Tabriz University of Medical Sciences, Iran
- 15:50-16:10 **Title: In vitro evaluation of peptide-cholesterol hybrid as gene delivery nano-carrier**
Fatemeh sultani, Mashhad University of Medical Sciences, Iran
- 16:10-16:30 **Title: Nano porous gold in 2D and 3D form, applications in ultrasensitive electrochemical superoxide bio-sensing**
Ramin Banan Sadeghian, Tohoku University, Japan
- 16:30-16:50 **Title: pH-Responsive theranostic nanocomposites as synergistically enhancing positive and negative magnetic resonance imaging contrast agents**
Shizhen Chen, Chinese Academy of Sciences, China

Panel Discussion

Day 2 October 19, 2017

MAI (2F)

Keynote Forum

09:00-09:40 Title: **Novel method of patent ductus arteriosus closure in preterm neonates with nano-Ibuprofen eluting balloon**

Vijayalakshmi Balekundri, Bangalore Medical College and Research Institute, India

09:40-10:20 Title: **Making the hospital a safer place by the sonochemical coating of the textiles with antibacterial nanoparticles**

Aharon Gedanken, Bar-Ilan University, Isarel

10:20-11:00 Title: **Using the BSM-SG atomic models and their physical properties for modeling and analysis in sub-nano metric scale**

Stoyan Sarg Sargoytchev, World Institute for Scientific Exploration, USA

Refreshments and Networking Break 11:00-11:20

11:20-12:00 Title: **Advanced drug delivery: Nano-targeted delivery for therapeutic and imaging**

Shaker A Mousa, Albany College of Pharmacy and Health Sciences, USA

Sessions:

Drug Delivery and Therapeutics | Biosensors, Diagnostics and Imaging | Advanced Nanomaterials | DNA Nanotechnology

Session Introduction

Session Chair: **Stoyan Sarg Sargoytchev**, World Institute for Scientific Exploration, USA

Session Chair: **Anthony William**, University of Tokyo, Japan

12:00-12:20 Title: **Dependence of in vivo tumor homing, localization and therapeutic effect of colloidal nanoparticles on the number of attached antibodies**

Davide Prosperi, University of Milano-Bicocca, Italy

12:20-12:40 Title: **Cancer cell is an excellent scaffold for nanomaterials biosynthesis and theranostics of metastasis**

Fawad ur Rehman, Southeast University, China

12:40-13:00 Title: **Curcumin nano-formulation as potential nano-medicinal approach for effective cancer therapy**

Keka Sarkar, University of Kalyani, India

Lunch Break 13:00-14:00 @ 3F Regency DE

14:00-14:20 Title: **Placental-derived exosomes: Future biomarkers of preeclampsia**

Preenan Pillay, University of KwaZulu-Natal, South Africa

14:20-14:40 Title: **Effect of titanium dioxide nanoparticle aggregation on myoblast cytotoxicity and nitric oxide synthesis**

Wendy N Phoswa, University of KwaZulu-Natal, South Africa

14:40-15:00 Title: **Polymeric film releasing nitric oxide under light stimulation, reported by fluorescence**

Marta Perez Lloret, Universidad de Zaragoza, Italy

Refreshments and Networking Break 15:00-15:20

Video Presentation

15:20-15:35 Title: **Nano-toxicology of metal nanoparticles in stem cells (*in vitro*)**

Morteza Sagharjoghi Farahani, Islamic Azad University, Iran

15:35-15:50 Title: **Mass transfer controlling of pore shapes in solid**

Peng-Sheng Wei, National Sun Yat-Sen University, Taiwan

Poster Presentation 15:50-16:10

MN01 Title: **Facile and green synthesis of biodegradable gold nano-dandelions for potential simultaneous CT imaging and radiotherapy**

Yao Chen Chuang, National Health Research Institutes, Taiwan

MN02 Title: **The *in vitro* investigation on the effect of infrared waves combined with silica-gold nanoparticle on the breast cancerous cells**

Delaram Babaei, Islamic Azad University, Iran

Panel Discussion

Award & Closing Ceremony



Next in Series

16th World Medical Nanotechnology Congress

August 20-22, 2018 Tokyo, Japan

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Website: <https://medicalnanotechnology.conferenceseries.com>