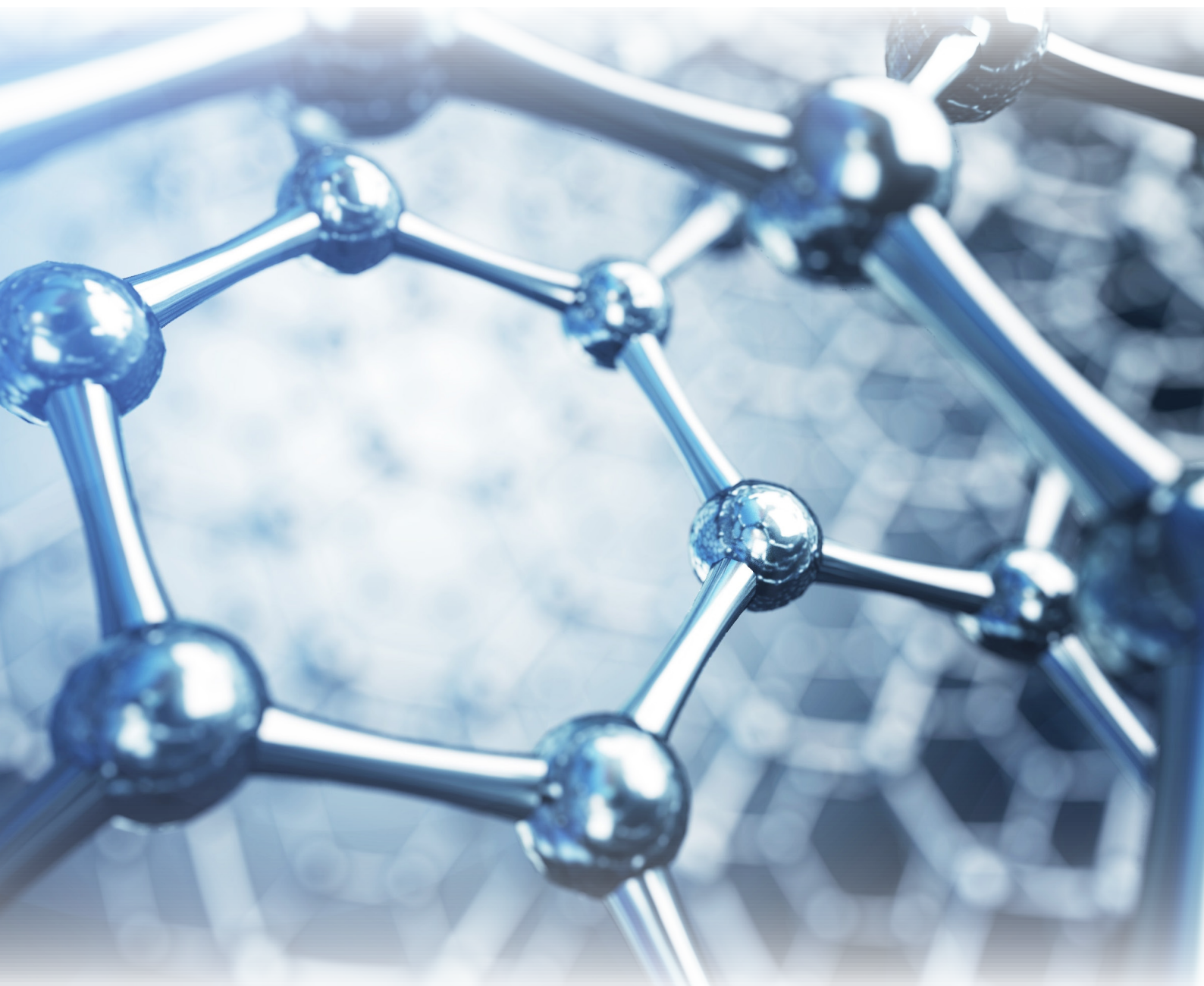


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*Scientific Program*

# 16<sup>TH</sup> WORLD MEDICAL NANOTECHNOLOGY CONGRESS

September 03-04, 2018 Tokyo, Japan



**Hosting Organization: Conference Series LLC LTD**

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09:00-09:45 Registrations

Meeting Room 1

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09:45-10:00 **Opening Ceremony**

**Keynote Forum**

10:00-10:45 **Title: Design of nano-robotics based on flexible FePd nano-helix for cancer treatment**

**Minoru Taya**, University of Washington, USA

10:45-11:30 **Title: Myosin head power stroke does not obey predictions based on the swinging lever arm mechanism of muscle contraction**

**Haruo Sugi**, Teikyo University, Japan

**Group Photo**

Networking & Refreshments Break: 11:30-11:50 @ Foyer

**Session:**

**Cancer Nanotechnology | Nano Pharmaceuticals | DNA Nanotechnology**

**Session Introduction**

**Session Chair: Minoru Taya**, University of Washington, USA

11:50-12:25 **Title: Single-walled carbon nanotubes as sensors of reactive species: Potential therapeutic implications**

**Debabrata Mukhopadhyay**, Mayo Clinic College of Medicine and Science, USA

12:25-13:00 **Title: Protamine conjugated fluorochromes: A new photosensitizer for photodynamic tumor therapy**

**Hoonsung Cho**, Chonnam National University, South Korea

Lunch Break: 13:00-14:00 @ California Restaurant

**Session:**

**Polymer Nanotechnology | Materials Science and Engineering | Nanomedicine Applications**

**Session Introduction**

**Session Chair: Haruo Sugi**, Teikyo University School of Medicine, Japan

14:00-14:30 **Title: Nano-fibers of poly (vinyl alcohol co-vinyl acetate) as novel scaffold for mammalian cell culture and controlled drug delivery**

**Francisca Villanueva Flores**, National Autonomous University of Mexico, Mexico

14:30-15:00 **Title: Study of room-temperature superconductors**

**Sumit Kumar Gupta**, Parishkar College of Global Excellence, India

15:00-15:30 **Title: A novel solid Self-Emulsifying Delivery System (SEDS) for the encapsulation of linseed oil and quercetin: Preparation and evaluation**

**Juan Huang**, Southeast University, China

Networking & Refreshments Break: 15:30-15:50 @ Foyer

15:50-16:20 **Title: Epirubicin-loading fluorescent Q $\beta$  virus-like particles incorporated with CED for brain tumor therapy**

**Hao-Han Pang**, National Sun Yat-sen University, Taiwan

16:20-16:50 **Title: Tumor-vasculature-on-a-chip for studying transport of nanoparticles**

**Haofei Wang**, The University of Queensland, Australia

**Panel Discussion**

Meeting Room 1

**Keynote Forum**

10:00-10:50 **Title: Nanoparticles and DNA damage**

**Thomas Prevenslik**, QED Radiations, Hong Kong

10:50-11:40 **Title: Recent applications of nanotechnology in advanced drug delivery systems**

**Hussein O Ammar**, Future University, Egypt

**Session Chair:** Haruo Sugi, Teikyo University School of Medicine, Japan

**12:00-12:30** Title: **Golden treatment for blindness: The use of gold nanoparticles as an enhanced-drug delivery system in age-related macular degeneration**

Umesh Manni, University of Liverpool School of Medicine, UK

**12:30-13:00** Title: **Preparation and properties of polymeric nano-fiber containing polyamidoamine as wound dressings**

Mohammad Mirjalili, Islamic Azad University of Yazd, Iran

Lunch Break: 13:00-14:00 @ California Restaurant

### Poster Presentations @ 14:00-15:00

**MN-01** Title: **Nano-fibers of poly (vinyl alcohol co-vinyl acetate) as novel scaffold for mammalian cell culture and controlled drug delivery**

Francisca Villanueva Flores, National Autonomous University of Mexico, Mexico

**MN-02** Title: **Antioxidant enzyme activities of infantile and adult female rats after neonatal administration of poly (ethylene glycol)-block-poly(lactic acid) Nanoparticles**

Monika Dvořáková, Comenius University, Slovakia

**MN-03** Title: **Green synthesis of silver nanoparticles for nanomedicine: The next breakthrough in oncology**

Steven M Mufamadi, Nabio Consulting (Pty) Ltd, South Africa

**MN-04** Title: **A novel bonding method for the nanochannels based on PDMS spincoating**

Zhifu Yin, Jilin University, China

**MN-05** Title: **The convergence of technologies, generates convergence in the regulations**

Guillermo Valdes Mesa, Havana University Center Biomaterial, Cuba

**MN-06** Title: **Formulation of Fluconazole as Topical Antifungal Gels by Microsponge based Delivery Systems**

V Rama Mohan Gupta, Pulla Reddy Institute of Pharmacy, India

**MN-07** Title: **Hollow polymeric nanoparticles to enhance drug chemotherapeutic efficacy**

JM López-Romero, University of Málaga, Spain

**MN-08** Title: **Chemotherapeutic activity of silybin liposomes combined with Doxil in TUBO breast cancer cell bearing mice**

Fatemeh Gheybi, Mashhad University of Medical Sciences, Iran

**MN-09** Title: **Magnetofection: The use of cationic lipid-like materials with magnetic core for gene delivery**

Victoria Uvarova, MISiS-National University of Science and Technology, Russia

**MN-10** Title: **Nanopositioning of supramolecular ligands on DNA origami for multivalent protein recognition**

Michael Erkelenz, University Duisburg-Essen, Germany

**MN-11** Title: **Protamine/carboxymethyl dextran based nano-adjuvant for co-delivery CpG oligonucleotides and EV71 inactivated vaccine against hand, foot and mouth disease**

Hao Liang, Beijing University of Technology, China

**Session: Nanoparticles | Nanoelectronics and Biomedical Devices | Nano Biotechnology**

Session Introduction

**Session Chair:** TBA

**15:00-15:30** Title: **Biosynthesis of copper nanoparticles by using aloe barbadensis leaf extracts and study of application in Congo red (acid red 28) dye removal**

Madiha Batool, Government College University, Pakistan

Networking & Refreshments Break: 15:30-15:50 @ Foyer

**15:50-16:20** Title: **Medicine distribution, regulatory privatization, social welfare services and its alternatives**

Abdeen Omer, Ministry of Health and Social Welfare, Sudan

**16:20-16:50** Title: **Use of nano-plates for detection of pathogenic bacteria in water tubes**

Ahmed Mokhtar Ramzy, Cairo University, Egypt

**16:50-17:20** Title: **Carbon nanotubes in cancer diagnosis and therapy**

Badis Bendjemil, University of Badji Mokhtar, Algeria

Panel Discussion

Awards and Closing Ceremony