### 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

**Title: Myosin head power stroke does not obey predictions based on the swinging lever arm mechanism of muscle contraction**  
Haruo Sugi, Teikyo University, Japan

#### 10:45-11:30

**Group Photo**

Network ing & Refreshments Break: 11:30-11:50 @ Foyer

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### Session: Cancer Nanotechnology | Nano Pharmaceuticals | DNA Nanotechnology

**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

**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

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### Session: Polymer Nanotechnology | Materials Science and Engineering | Nanomedicine Applications

**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

**Title: Study of room-temperature superconductors**  
Sumit Kumar Gupta, Parishkar College of Global Excellence, India

**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

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#### 15:50-16:20

**Title: Epirubicin-loading fluorescent Qβ virus-like particles incorporated with CED for brain tumor therapy**  
Hao-Han Pang, National Sun Yat-sen University, Taiwan

**Title: Tumor-vasculature-on-a-chip for studying transport of nanoparticles**  
Haofei Wang, The University of Queensland, Australia

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### Panel Discussion

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### 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
Networking & Refreshments Break: 11:40-12:00 @ Foyer

Sessions: Nano Biotechnology | Nanomedicine | Carbon Nanotechnology

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, Nabilo Consulting (Pty) Ltd, South Africa

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