Program

15th World Medical Nanotechnology Congress
October 18-19, 2017  Osaka, Japan

Theme: Advances of Nanomedicine in diagnosis theranostics

Seating is Limited
Register Today!

Conference Secretariat
2360 Corporate Circle, Suite 400 Henderson
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Conference Series
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Tel: +1 (800) 216 6499
Email: medicalnano@nanotechconferences.org
jasminkeith999@gmail.com
Dear colleagues and friends,

As a Keynote Speaker and Organizing Committee Member, it is my great pleasure to welcome you to attend the Medical Nanotechnology 2017 congress during October 18-19, 2017 in the beautiful city of Osaka which was the capital of Japan before the move to Tokyo.

The Medical Nanotechnology conference will highlight key topics in Nanotechnology, biotechnology and their applications in various areas of health care. The conference will highlight assembly, characterization and scale up of various types of Nanoparticles including: Hydrophobic and hydrophilic polymeric nanoparticles; Lipid Nano Carriers; Dendrimers; Carbon (nanotubes, fulerenes, graphenes) nanomaterials; Metal Oxide Nanoparticles; Metallic nanoparticles; Quantum dots; and other types of nanoparticles. Additionally, characterization of pharmaceutical and biopharmaceutical Nano-carriers, and scale-up and manufacturing aspects will be discussed. Furthermore, specific delivery systems, multifunctional systems for combined delivery, bio-sensing and diagnostic, and targeting including site specific drug delivery, targeting and gene therapy, Imaging, Molecular Diagnostics and targeted treatment will be highlighted.

We are looking forward to see you in Osaka, Japan

Regards,

Shaker A. Mousa, PhD, MBA, FACC, FACB

Vice Provost for Research & Professor of Pharmacology
Albany College of Pharmacy and Health Sciences

Chairman & Executive Vice President
The Pharmaceutical Research Institute
USA
Welcome message to the participants of the 15th Medical Nanotechnology Congress in Osaka, Japan

It is great honor to express my welcome to all authors, attendees and guests of this international event. We came from different parts of the world to obtain new useful information in the medical branch of nanotechnology.

Nanomedicine is a rapidly developing field of biomedical research.

Why nanotechnology with its many branches is so prospective? Despite the diversified applications, the nanotechnology branches have an important common trend – a tendency to reach and design things at atomic scale. In this aspect, a deeper understanding of the atoms as the building blocks in nature is necessary. Some nanostructures, for example, exhibit new properties that are not predictable by the existed so far theoretical models. It is well known that quantum mechanical models by definition work only with energy levels. A further knowledge about the real dimensions of the atoms with their three-dimensional shape and preferable bond directions of their connections will be quite useful in nanotechnology. How can we obtain such knowledge? The accumulated for more than one century experimental data in particle physics, nuclear physics, condensed matter and other fields forms an enormous data base. Now, the information highway makes this data base accessible by many scientists in the world. The attempts for reexamination of some earlier adopted theoretical concepts and their correction if necessary, must not be ruled out. This is not only my opinion. Such a challenge might be in favor of further advancement in our knowledge besides the branches of nanotechnology.

Welcome to the 15th Medical Nanotechnology Congress and have a very fruitful time while attending this great event.

Dr. Stoyan Sarg Sargoytchev
World Institute for Scientific Exploration, USA
Keynote Speakers

Keynote Speakers of Medical Nanotechnology 2017

Shaker A. Mousa
Vice President, and Chairman
USA

Stoyan Sarg Sargeytschev
Professor, USA

Hussein O Ammar
Professor, Egypt

Behzad Shahrouradi
Director, Professor, Kurdistan
University of Medical Sciences, Iran

Collaborators

15th World Medical Nanotechnology Congress

October 18-19, 2017

Theme: Advances of Nanomedicine in diagnosis theranostics

Media Partners
# Tentative Scientific Program

### Keynote Presentations

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<td>Impact of Nanobiotechnology on the Future of Medicine (Nanomedicine): The Road toward Precision Medicine</td>
<td>Shaker A. Mousa, Professor, Vice Provost, Executive Vice President, and Chairman, USA</td>
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<tr>
<td>Advanced Drug Delivery: Nano-targeted delivery for Therapeutic and Imaging</td>
<td>Shaker A. Mousa, Professor, Vice Provost, Executive Vice President, and Chairman, USA</td>
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<td>New Trends in Nanotechnology-Based Targeted Drug Delivery</td>
<td>Dr. Hussein O Ammar, Future University, Cairo, Egypt</td>
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<td>Making the Hospital a Safer Place by the Sonochemical Coating of the Textiles with Antibacterial Nanoparticles</td>
<td>Dr. Aharon Gedanken, Department of Chemistry, Bar-Ilan University, Israel.</td>
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<td>Atlas of Atomic Nuclear Structures According to the BSM-Supergravitation Unified Theory</td>
<td>Stoyan Sarg Sargoytchev, World Institute for Scientific Exploration, USA</td>
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<td>Using the BSM-SG atomic models and their physical properties for modeling and analysis in sub-nanometric scale</td>
<td>Stoyan Sarg Sargoytchev, World Institute for Scientific Exploration, USA</td>
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### Scientific Sessions

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<td>Evaluation of Medicine Distribution, Regulatory Privatisation, Social Welfare Services and its Alternatives</td>
<td>Dr. Abdeen M. Omer, Occupational Health Administration, Ministry of Health, Khartoum, Sudan.</td>
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<td>Synthetic wastewater treatment using metal oxide doped TiO2 nanocatalysts</td>
<td>B. Shahmoradi (Ph.D.) Environmental Health Research Center, Deputy of Education, Faculty of Health Kurdistan University of Medical Sciences, Sanandaj, Kurdistan, Iran.</td>
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<td>Dependence of in vivo tumor homing, localization and therapeutic effect of colloidal nanoparticles on the number of attached antibodies</td>
<td>Dr. Davide Prosperi, Head of the NanoBioLab, University of Milano-Bicocca, Italy</td>
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<td>Oral nanocarrier for insulin colon delivery</td>
<td>Dr. Miriam Colombo, Assistant Professor of Clinical Biochemistry, University of Milano-Bicocca, Italy</td>
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<td>Sperm boat: Genetic boat which will help you to increase sperm motility and provide barrier to the sperm</td>
<td>Deep Patel, Crimea State Medical University, Russia</td>
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<td>Plasmonic Photothermal Inactivation of Escherichia coli and Bacillus cereus using Polymer Coated Gold Nanoparticle.</td>
<td>Heba ElSayed ElZorkany, Nanotechnology and Advanced Materials Central Lab. (NAMCL), Agriculture Research Center (ARC), Egypt</td>
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<td>Using the BSM-SG atomic models and their physical properties for modeling and analysis in sub-nanometric scale</td>
<td>Stoyan Sarg Sargoytchev, World Institute for Scientific Exploration, USA</td>
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<td>Nano-Radiopharmaceutical for solid tumors treatment</td>
<td>Navideh Aghaei Amirkhizi PhD, Science and Research Branch, Islamic Azad University, Iran</td>
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<td>Evaluation of medicine distribution, regulatory privatisation, social welfare services and its alternatives</td>
<td>Abdeen Omer, PhD, OHA, Sudan</td>
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<td>Nanoporous Gold in 2D and 3D forms Applications in Ultrasensitive Electrochemical Superoxide Biosensing</td>
<td>Ramin Banan Sadeghian, WPI-AIMR Tohoku University, Sendai 980-8577, Japan</td>
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<td>Development and Characterization of Environmentally Friendly High Performance Polymeric Nanocomposite Blends of Cellulose Acetate, Poly(Lactic acid) and Polyurethane</td>
<td>Sara Ayman Moustafa, The American University in Cairo, Nanotechnology Program, NEW CAIRO, Egypt</td>
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<td>Investigating of (NANO-ChiCo) drug include Solid Lipid Nanoparticles and E,laciniata, C,Longa on the inflammatory diseases” at Medical Nanotechnology 2017</td>
<td>Dr. Akbar Vaseghi, Ardabil Branch, Islamic Azad University, Iran</td>
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<td>Curcumin nanoformulation as potential nanomedicinal approach for effective cancer therapy at Medical Nanotechnology 2017</td>
<td>Dr. Keka Sarkar, University of Kalyani, India</td>
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<td>Bioanalytical method development, validation &amp; pharmacokinetics study of 5-Fluorouracil loaded nanoparticles at Medical Nanotechnology 2017</td>
<td>Dr. Saurabh Srivastava, Medical University, Lucknow, UP, India</td>
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<td>Facile and green synthesis of biodegradable gold nanodandelions for potential simultaneous CT imaging and radiotherapy at Medical Nanotechnology 2017</td>
<td>Dr. Yao-Chen Chuang, National Health Research Institutes, Taiwan</td>
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<td>Thin Film Metallic Glass: A Promising Coating for Biomedical Applications at Medical Nanotechnology 2017</td>
<td>Dr. Jinn P. Chu, National Taiwan University of Science and Technology, Taiwan</td>
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<td>Shape Controlled synthesis of CoFe2O4 Magnetic Nanostructures for Ultrasensitive Molecular Imaging at Medical Nanotechnology 2017</td>
<td>Dr. Hira Faitama, Kangwon National University, Republic of Korea</td>
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<td>Nano-biomaterials for water treatment technology at Medical Nanotechnology 2017</td>
<td>Dr. S.P. Suriyaarj, Indian Institute of Technology Madras, India</td>
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<td>Modulation of the immune system by carbon nanoparticles at Medical Nanotechnology 2017</td>
<td>Dr. Rajiv K Saxena, South Asian University, India</td>
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Organizing Committee Members

Shaker Mousa  
Executive Vice President and Chairman  
Pharmaceutical Research Institute  
USA

Bharat Bhushan  
Director  
The Ohio State University  
USA

Mary Mehrnoosh Eshaghian Wilner  
Professor  
University of Southern California  
USA

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University of South Carolina  
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Hussein Osman Ammar  
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Faculty of Pharmacy  
Future University in Egypt  
Egypt

Der-Jang LIAW  
Chair Professor  
National Taiwan University of Science and Technology  
Taiwan

Aharon Gedanken  
Senior Prof. (Emeritus)  
Bar-Ilan Institute of Nanotechnology and Advanced Materials (BINA), Israel

Hicham Fenniri  
Professor  
The Northeastern Supramolecular Nanomaterials Lab  
USA
Why to Attend???

Meet Your Target Market with members from around the world focused on learning about Nanotechnology and Nanomedicine, this is your single best opportunity to reach the largest assemblage of participants from the Nano and medicinal community. Conduct demonstrations, distribute information, meet with current and potential Scientists, make a splash with a new research, and receive name recognition at this 2-day Medical Nanotechnology 2017 Congress. World-renowned speakers, the most recent techniques, tactics, and the newest updates in Pharmaceutical Sciences fields are hallmarks of this conference.

Abstract Information: Oral / Poster Presentation Guidelines

Oral Presentations are generally split into TWO categories, as follows:

1. Plenary Lectures
   - Each Plenary lecture is 25 minutes in length and comprises one presentation. We recommend you plan to present for approximately 20 minutes with 5 minutes for questions/discussion.
   - Where Plenary Lectures are presented as debates, each of two speakers should plan to present for 20 minutes, allowing five minutes for closing questions and conclusions. We recommend that invited speakers communicate in advance of the Moderator so that presentations may be coordinated.

2. Oral Sessions
   - Each Oral Session is 60 minutes in length and comprises two presentations, of 30 minutes each. We recommend that you plan to present for approximately 15 minutes, allowing time for questions/discussion at the end of the presentation.

Please prepare you presentation in 16:9 format (screen are in format 16:9). We recommend you to save your PowerPoint presentation using PPT(X) format instead of PPS.

A technician is available in every session room to provide assistance when needed. Due to the online presentation system, all speakers are kindly requested to use provided PC onsite. Please be present in the session room 15 minutes prior the start of your session and follow the instructions from the Chairs and/or technician. During your presentation a remote control will be available for controlling your presentation. Please observe the time allotted to you as you will not be permitted to speak for longer time. At the end of the Congress, all presentations will be deleted from the presentation system and computers on-site.

Speaker Preview Room

All speakers are asked to upload their presentation at the Speaker Preview Room (located in the Registration area) at least one hour before the beginning of the session or the day before in case of a morning session.
Young Researchers Forum

The Young Researchers Forum offers young researchers the possibility to meet and discuss research topics and methodologies, share and develop ideas, learn from each other and gain knowledge from senior researchers.

Young Researcher Sessions are organized at the Med Pharma Congress, to provide a unique platform for Young Researchers/Investigators for presenting latest research projects with an in-depth analysis. Young Investigators (e.g. Post-Graduate students, Post-doctoral fellows, Trainees, Junior faculty) are the focus of this event. Participants should be below the age of 33 years. All submissions must be in English.

The prize winning papers will be considered for publication in the international journals once the paper is subjected to standard review procedures.

For further information please contact: medicalnano@nanotechconferences.org

Registration Information

How To Register
Website: www.medicalnanotechnology.conferenceseries.com

Registration Fees

- Early Registration Fee: $699.00
- Regular Registration Fee: $799.00
- Late Registration Fee: $899.00
- Group Discount: Register three or more attendees and receive $50.00 off per person
- Student Registration: 249$
- Young Researchers Forum Fee: 499$

Accommodations

Hyatt Regency Osaka
1-13-11 Nanko-Kita, Suminoe-Ku
Osaka, Japan 559-0034.

Cancellation Policy

Cancellations must be received in writing 60 days prior to the meeting and are subject to a $100 processing fee. Refunds will not be granted after August 18, 2017, nor will they be given for no-shows. Please email cancellations to medicalnano@nanotechconferences.org

To make reservations and ensure that you will have a hotel room at the same location as the conference, please choose your package and register at www.medicalnanotechnology.conferenceseries.com/registration.php

Stay Connected Before, During and After the Event!
# Program

## Day 1: October 18, 2017

**Opening Ceremony**
- Conference Souvenir Launch
- New Perspective frontiers in the area of Drug Design & Drug Formulation
- Keynote Forum (& Exhibitions Full day)
  - (Panel discussions and Reviews)
- Coffee Break: Networking & Refreshments
- Group Photo

### Speaker Forum
- Sessions Chair’s Introduction
- Session 1: Nanomedicine
- Session 2: Nanoelectronics and Biomedical Devices
- Session 3: DNA Nanotechnology
- Session 4: Drug Delivery and Therapeutics, Cancer Nanotechnology
- Session 5: Advanced Nanomaterials, Polymer Nanotechnology, Nanotoxicity, Biosensors, Diagnostics and Imaging
- Panel discussions and Reviews

**Lunch Break**
- Young Research Forum
  - (Panel discussions and Reviews)
- Coffee Break: Networking & Refreshments
- B2B Meetings
- Certificates Felicitation by the organizing Committee

## Day 2: October 19, 2017

**Introduction**
- Keynote Forum (& Exhibitions Full day)
  - (Panel discussions and Reviews)
- Coffee Break: Networking & Refreshments

### Speaker Forum
- Sessions Chair’s Introduction
- Session 6: Bio-Nanomaterials and Tissues Engineering
- Session 7: Environmental Safety, Nanotechnology in Life Sciences & Medicine, Recent developments in Nanotechnology and Nanoscience
- Session 8: NanoBio Technology, Nanotechnology and Cosmetics, Nanomedicine and Nanopharmaceuticals, Anatomy and Physiology, Diagnostic Techniques in Dermatology
- Session 9: Nanotechnology in Cardiovascular Medicine, Medical Nanotechnology Health care, Nanotechnology for Pediatric Medicine, 1D, 2D and 3D Nanomaterials
- Panel discussions and Reviews
- Young Research Forum
  - (Panel discussions and Reviews)

**Lunch break**
- Speaker Sessions (Cont…)
- Poster Sessions Evaluation by the Committee
- Refreshments
- Award Ceremony
- Felicitation of the best poster awards

### Closing Ceremony
City Attractions
Osaka is the second largest metropolitan area in Japan and serves a major economic hub. Historically a merchant city, Osaka has also been known as the “Nation’s Kitchen”. With a population of 2.5 million, Osaka is Japan’s third largest and second most important city. It has been the economic powerhouse of the Kansai region for many centuries. The city’s west side has the main port as well as a tourist destination with attractions such as Kyocera Dome, Universal Studios Japan, Osaka aquarium, Minami, Osaka castle, Umeda sky building and the Tempozan Harbour Village.

Osaka is known for its food, both in Japan and abroad. Author Michael Booth and food critic François Simon of Le Figaro have both suggested that Osaka is the food capital of the world. Osaka’s culinary prevalence is the result of a location that has provided access to high quality ingredients, a high population of merchants, and close proximity to the ocean and waterway trade. In recent years, Osaka has started to garner more attention from foreigners with the increased popularity of cooking and dining in popular culture.