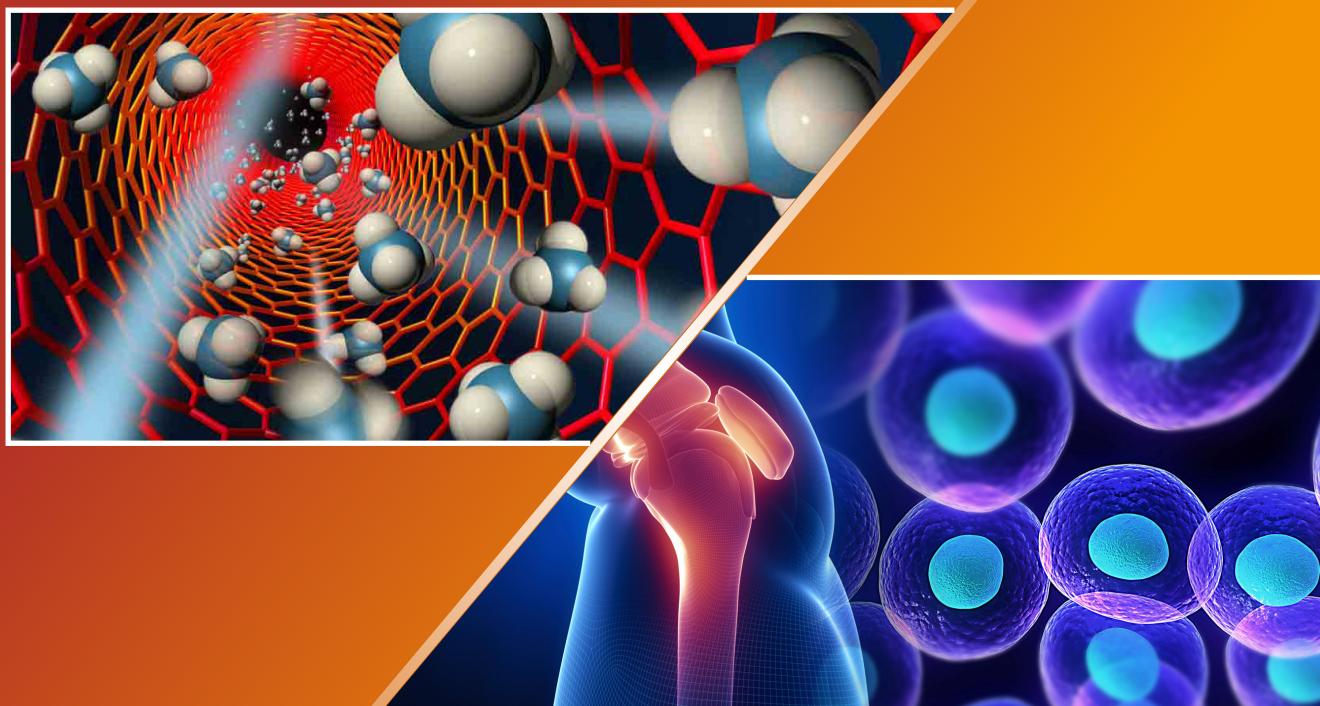


**13<sup>th</sup> International Conference and Exhibition on**

# **Nanomedicine and Pharmaceutical Nanotechnology**

**July 24-25, 2017 Rome, Italy**



**Conference Series - America**

One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA  
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OLIMPICA 4

conference**series**.com 08:30-08:55

# Opening Ceremony

## Keynote Forum

08:55-09:00 Introduction

**Title: Polyelectrolyte coated liposome delivery systems against Group A Streptococcus (GAS) infection**

09:00-09:30

Istvan Toth, The University of Queensland, Australia

09:30-10:00

**Title: Drug delivery system targeting advanced hepatocellular carcinoma**

Hong Qi Zhang, Hong Kong Baptist University, China

10:00-10:30

**Title: Application of nano-emulsion in drug delivery of poorly water-soluble drugs**

Jim Jingjun Huang, Ascendia Pharmaceuticals, USA

Group Photo: 10:30-10:35

Networking and Refreshments Break: 10:35-10:50 @ Foyer

10:50-11:20

**Title: The prospects of applications of nonlinear stimulation techniques to recover and improve the dynamics of brain activity and performance in neurological disorders and after the influence of stress factors**

Marina V Zueva, Helmholtz Moscow Research Institute of Eye Diseases, Russia

Sessions: Nanomedicines and Biomedical Applications | Pharmaceutical Nanotechnology | Nanomedicine and Drug Delivery | Nanotechnology for Targeted Drug Delivery | Regulatory Guidance for Pharmaceutical Nanotechnology | Recent Advances in Nanotechnology | Major Challenges in Nanotechnology

Session Chair: Katharina M Fromm, University of Fribourg, Switzerland

Session Co-Chair: Helen O McCarthy, Queen's University Belfast, UK

Session Introduction

11:20-11:45

**Title: Silver compounds and nanorattles: Triggered drug delivery and prevention of implant infections**

Katharina M Fromm, University of Fribourg, Switzerland

11:45-12:10

**Title: The RALA delivery platform: Altering the biodistribution of nucleic acids *in vivo***

Helen O McCarthy, Queen's University Belfast, UK

12:10-12:35

**Title: Microfluidizer® high-shear technology for manufacturing pharmaceutical drug delivery nanoparticles: From development to production**

Kyle M Jandrasitz, Microfluidics International Corporation, USA

12:35-13:00

**Title: The effect of nanoparticle properties, detection method, delivery route and animal model on PLGA nanoparticles biodistribution in mice and rats**

Cristina M Sabliov, Louisiana State University, USA

Lunch Break 13:00-14:00 @ Hotel Restaurants

14:00-14:25

**Title: Self-emulsifying drug delivery systems for increased availability of Resveratrol and enhanced anti-oxidant activity**

Christine Charrueau, Université Paris Descartes, France

14:25-14:50

**Title: A physicochemical study on the preservation of nanoparticles**

Seitaro Kamiya, Nagasaki International University, Japan

**14:50-15:15** **Title: New biocompatible nanoparticles: Multistep chemical modifications and biological applications**

**Gerardo Byk**, Bar Ilan University, Israel

**15:15-15:40** **Title: Nanolipidic carriers containing curcumin: Preparation and physicochemical characterization**

**Sophia Hatziantoniou**, University of Patras, Greece

**15:40-16:05** **Title: Why ethical safeguards matter in medical nanotechnology: Prospects and problems in the delivery of nanomedicine via microsurgical interventions**

**Tista Bagchi**, University of Delhi, India

#### Networking & Refreshments Break 16:05-16:20 @ Foyer

**16:20-16:45** **Title: Nano medical products: Challenges, considerations and strategies**

**Sabrina Gioria**, JRC- European Commission, Directorate F – Health, Consumers and Reference Materials, Italy

**16:45-17:10** **Title: Curcumin-loaded nanoparticles used for breast cancer treatment**

**Ismaeil Haririan**, Tehran University of Medical Sciences, Iran

**17:10-17:35** **Title: Surface modification: A promising solution for biomedical applications**

**Sandra Carvalho**, University of Minho, Portugal

**17:35-18:00** **Title: Overcoming biological barriers in severe lung diseases through tailored inhalable nanoparticles**

**Francesca Ungaro**, University of Napoli Federico II, Italy

#### Panel Discussion

### Day 2 July 25, 2017

#### OLIMPICA 4

#### Keynote Forum

**09:00-09:30** **Title: Hydrogen bonding enhances stability of HK nanoplexes**

**A J Mixson**, University of Maryland School of Medicine, USA

**09:30-10:00** **Title: Pharmaceutical development of injectable nanomedicine targeting breast cancer**

**Igor Chourpa**, Université Francois Rabelais de Tours, France

**10:00-10:30** **Title: The use of nano- and micro-delivery systems in the pharmaceutical space: Gold and beyond**

**Anne Grobler**, North-West University, South Africa

#### Networking & Refreshments Break 10:30-10:45 @ Foyer

**Sessions: Nanomedicines and Biomedical Applications | Pharmaceutical Nanotechnology | Nanomedicine and Drug Delivery | Novel Drug Delivery Technology | Nanotechnology for Targeted Drug Delivery | Nano Pharmaceuticals**

**Session Chair: Jonghwi Lee**, Chung-Ang University, South Korea

**Session Co-chair: Konstantinos Avgoustakis**, University of Patras, Greece

#### Session Introduction

**10:45-11:10** **Title: Bio-inspired, microchanneled materials prepared by crystallization of solvents**

**Jonghwi Lee**, Chung-Ang University, South Korea

**11:10-11:35** **Title: Multifunctional magnetic nanocarriers of anticancer drugs**

**Konstantinos Avgoustakis**, University of Patras, Greece

**11:35-12:00** **Title: The use of Styrene Maleic Acid (SMA) nanonmicelles for effective oral delivery of bioactive therapeutics**

**Khaled Greish**, Arabian Gulf University, Bahrain

12:00-12:25 **Title: Perfluorodecalin-filled albumin nanocapsules as artificial oxygen carriers**

**Katja Bettina Ferenz**, University of Duisburg-Essen, Germany

12:25:12:50 **Title: Nanostructured ceramics for bone cancer therapy**

**Barbara Palazzo**, Ghimas S.p.A. c/o Dhitech Scarl, Campus Ecotekne, Italy

**Lunch Break 12:50-13:20 @ Hotel Restaurants**

**Poster Presentations 13:20-14:10**

**Poster Judge: Istvan Toth, The University of Queensland, Australia**

**NPN01 Title: Novel method to detect Monosodium Urate Monohydrate crystals based on its interaction with peptide coated gold nanoparticles**

**Javier Batista Perez**, University of Calgary, Canada

**NPN02 Title: Formulation and characterization of dissolvable microneedle arrays containing free and nanoencapsulated ketoprofen**

**Silvia Mellace**, University of Calabria, Italy

**NPN03 Title: Antibacterial activities of crude extract from *Punica granatum* peels and its application**

**Neeranut Kuanchertchoo**, Ramkhamhaeng University, Thailand

**NPN04 Title: Development of a middle eastern respiratory syndrome coronavirus nano vaccine from Fc4 fused spike protein (eS770)**

**Young Bong Kim**, Konkuk University, Republic of Korea

**NPN05 Title: Investigation of the cellular uptake of functionalised carbon nanoparticles**

**Badriah Hifni**, University College Dublin, Ireland

**NPN06 Title: PLGA based nanoparticles as protein carriers: Radiolabeled protein delivery system**

**Mona Kabiri**, Mashhad University of Medical Sciences, Iran

**NPN07 Title: The cisplatin-HA nanocomplexes for novel lymphatic delivery system**

**Yuan-Chia Chang**, Industrial Technology Research Institute, Taiwan (ROC)

**NPN08 Title: Preparation, characterization and therapeutic effects of PEGylated nanoniosomal containing N-acetylcystein on acetaminophen induced hepatotoxicity in male Wistar rats**

**Safoura Karami**, Islamic Azad University, Iran

**NPN09 Title: 5TR1 aptamer-PEGylated liposomal doxorubicin enhances cellular uptake and suppresses tumor growth by targeting the overexpressed MUC1 on the surface of cancer cells**

**Alia Moosavian**, Mashhad University of Medical Sciences, Iran

**NPN10 Title: Characterization and larvicidal activity of green-synthesized silver nanoparticles using cracker plant *Ruellia tuberosa* leaf extract**

**Jocelyn L Miranda**, University of the Immaculate Conception, Philippines

**NPN11 Title: Improvement of pyrazolo[3,4-d]pyrimidines pharmacokinetic properties: Nanosystem approaches for drug delivery**

**Arianna Mancini**, Università degli Studi di Siena, Italy

**NPN12 Title: Albumin-derived perfluorocarbon-based artificial oxygen carriers: Assessment of microcirculation and physiological functions in a model of massive hemodilution in the rat**

**Alexandra Scheer**, University of Duisburg-Essen, Germany

**NPN13 Title: Blood alterations associated with IP Injection of platinum and titanium nanoparticles**

**Hassan Almarshad**, Aljouf University, KSA

**NPN14 Title: Targeting liposomal doxorubicin to tumour tissues using a novel peptide**

**Mohammed Aldughaim**, University of Sheffield, UK

**NPN15 Title: Antioxidant activity and hepatoprotective effects of *Centaurea incana* on CCL4-induced liver toxicity in rats**

**Kermandji Mohamed Azed & Khelifi Touhami Fatima**; University of Bejaia, Algeria, University of Constantine 1, Algeria

## Young Researchers Forum

- 14:10-14:25** **Title: Up to date advances in nano-carrier systems for oral delivery of antidiabetic peptides**  
**Ruba Ismail**, University of Szeged, Hungary
- 14:25-14:40** **Title: Ultrasonic energy as effective tool to improve the production methods of lipid and polymeric drug delivery systems**  
**Annalisa Dalmoro**, University of Salerno, Italy
- 14:40-14:55** **Title: Green synthesis of gold nanoparticles from South African plant extracts for the treatment of skin infection wounds**  
**Abdulrahman M Elbagory**, University of Western Cape, South Africa
- 14:55-15:10** **Title: Development of multifunctional gold nanoparticles for selective induction of apoptosis in target cells**  
**Nicole R S Sibuyi**, University of Western Cape, South Africa
- 15:10-15:25** **Title: Targeted drug delivery with dual-ligand decorated liposomes by anti-CA IX antibody and tumor homing cell penetrating peptide in 2D and 3D lung cancer cells**  
**Congcong Lin**, Hong Kong Baptist University, Hong Kong
- 15:25-15:40** **Title: Cancer cell specific-penetrating peptide modified liposome for targeted delivery of anticancer agent to hepatocellular carcinoma**  
**Xue Zhang**, Hong Kong Baptist University, Hong Kong
- 15:40-15:55** **Title: Polymeric micro- and nanocarriers for the treatment of biofilm-associated infections in cystic fibrosis**  
**Julia Ernst**, Friedrich Schiller University Jena, Germany

## Networking and Refreshments Break: 15:55-16:10 @Foyer

- 16:10-16:25** **Title: A responsive thiolated polysaccharide multilayer nanocoating for tuning cell adhesion and cell detachment**  
**Pegah Esmailzadeh**, Martin Luther University of Halle-Wittenberg, Germany
- 16:25-16:40** **Title: Evaluation of organogel nanoparticles as new vehicle for lipophilic compounds**  
**Sophie Franceschi**, Université Paul Sabatier, France
- 16:40-16:55** **Title: Antimicrobial activity of biogenically produced spherical se-nanomaterials embedded in organic material against *P. aeruginosa* and *S. aureus* strains on hydroxyapatite-coated surfaces**  
**Elena Piacenza**, University of Calgary, Canada
- 16:55-17:10** **Title: Controllable microfluidic production of drug-loaded nanoparticles for cancer therapy**  
**Jiang Xu**, ESPCI ParisTech, France

## Panel Discussion

## Awards & Closing Ceremony

## Bookmark your dates

14<sup>th</sup> International Conference and Exhibition on

# Nanomedicine and Pharmaceutical Nanotechnology

April 13-14, 2018 Amsterdam, Netherlands

E-mail: [nanopharma@pharmaceuticalconferences.org](mailto:nanopharma@pharmaceuticalconferences.org); [nanomed@pharmaceuticalconferences.org](mailto:nanomed@pharmaceuticalconferences.org)

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