13th International Conference and Exhibition on
Nanomedicine and Pharmaceutical Nanotechnology

Day 1 July 24, 2017

OLIMPICA 4

08:00-08:30	**Registrations**
09:00-09:25	**Opening Ceremony**
	Keynote Forum
09:25-09:30	**Introduction**
09:00-09:30	**Title: Polyelectrolyte coated liposome delivery systems against group A streptococcus (GAS) infection**
	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: Hydrogen bonding enhances stability of HK nanoplexes**
	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, Moscow Helmholtz Research Institute of Eye Diseases, Russia
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 McCarthy,** Queen's University Belfast, UK
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 Inc., 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 and Refreshments Break: 16:05-16:20 @ Foyer
16:20-16:45	**Title: Nano medical products: Challenges, considerations and strategies**
	Sabrina Gioria, European Commission, Italy
16:45-17:10	**Title: Curcumin-loaded nanoparticles used for breast cancer treatment**
	Ismaeil Haririan, TUMS, 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: Nanostructured Ceramics for Bone Cancer Therapy**
	B. Palazzo, University of Salento, Italy; Ghimas S.p.A, Italy
	Panel Discussions
	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 F. Rabelais de Tours, France
10:00-10:30	**Title: Dual radiolabeling as a technique to track nanocarriers: The case of gold nanoparticles**

	Anne Grobler, North-West University, South Africa
	Networking and Refreshments Break: 10:30-10:45 @ Foyer
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
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: A Generic 89Zr Labeling Method to Quantify the In Vivo Pharmacokinetics of Liposomal Nanoparticles and Personalize their Dose Titration with PET**
	Ran Yan, King's College London, UK
	Lunch Break: 12:50-13:50 @ hotel Restaurants
Poster Presentations 13:50-14:20	
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 Science, Iran
NPN07	**Title: The cisplatin-HA nanocomplexes for novel lymphatic delivery system**
	Yuan-Chia Chang, Industrial Technology Research Institute, Taiwan
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: Blood Alterations Associated with IP Injection of Platinum and Titanium Nanoparticles**
	Hassan Almarshad, Aljouf University, KSA
NPN12	**Title: Targeting liposomal doxorubicin to tumour tissues using a novel peptide**
	Mohammed Aldughaim, University of Sheffield, UK
Young Research Forum	
14:20-14:35	**Title: A responsive thiolated polysaccharide multilayer nanocoating for tuning cell adhesion and cell detatchment**
	Pegah Esmaeilzadeh, Martin Luther University of Halle-Wittenberg, Germany
14:35-14:50	**Title: Ultrasonic energy as effective tool to improve the production methods of lipid and polymeric drug delivery systems**
	Annalisa Dalmoro, University of Salerno, Italy
14:50-15:05	**Title: Green synthesis of gold nanoparticles from South African plant extracts for the treatment of skin infection wounds**
	Abdulrahman M Elbagory, University of the Western Cape (UWC), South Africa
15:05-15:20	**Title: Development of multifunctional gold nanoparticles for selective induction of apoptosis in target cells**
	Nicole RS Sibuyi, University of the Western Cape (UWC), South Africa
15:20-15:35	**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, China
15:35-15:50	**Title: Cancer cell specific-penetrating peptide modified liposome for targeted delivery of anticancer agent to hepatocellular carcinoma**
	Xue Zhang, Hong Kong Baptist University, China
15:50-16:05	**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: 16:05-16:20 @Foyer

16:20-16:35	**Title: Up to date advances in nano-carrier systems for oral delivery of antidiabetic peptides**
	Ruba Ismail, University of Szeged, Hungary
16:35-16:50	**Title: Dacrabazine loaded nanostructure lipid particles are used to improve the drug delivery system and for effective prolonged release**
	Abdul Hafeez, Glocal University, India
16:50-17:05	**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
17:05-17:20	**Title: Overcoming biological barriers in severe lung diseases through tailored inhalable nanoparticles**
	Francesca Ungaro, University of Napoli Federico II, Italy
Panel Discussion	
Awards & Closing Ceremony	