



3rd Edition of Global Conference on

PHARMACEUTICS AND DRUG DELIVERY SYSTEMS

June 24-26, 2019 | Paris, France

*Theme: Addressing current challenges in the development and
delivery of medicinal agents*

Holiday Inn Paris - Marne La Vallee
2 boulevard du Levant, 93160 Noisy-le-grand
Paris, France

Day 1 June 24, 2019 (Monday) @ Londres Rome

08:00-08:40 Registrations

Moderator [Fabien Gosselet](#), Blood-brain barrier laboratory, Artois University, France

08:40-09:00 Introduction

Keynote Presentations

09:00-09:30 Title: Novel developments in lipid-based multifunctional combination nanopreparations for multidrug resistant cancer
[Vladimir P. Torchilin](#), Northeastern University, USA

09:30-10:00 Title: Taking your active from the lab to scale-up formulation development of a topical delivery systems
[Robert Houlden](#), Formulytica Pty. Ltd, Australia

10:00-10:30 Title: Government and industry response to the US opioid epidemic
[Robert P. Bianchi](#), Prescription Drug Research Center, USA

10:30-11:00 Title: The use of self-immolative polymers to control cellular delivery
[Georgina Kate Such](#), University of Melbourne, Australia

11:00-11:20 **Coffee Break**

@ Foyer

Oral Presentations

Sessions on: Novel Developments In Drug Delivery System | Formulation Technologies | Advanced Drug Delivery Systems | Drug Delivery Through BBB | Biodrugs, Biomolecules and Therapeutics

Session Chairs: [Vladimir P. Torchilin](#), Northeastern University, USA
[Georgina Kate Such](#), University of Melbourne, Australia
[Robert Houlden](#), Formulytica Pty. Ltd, Australia

11:20-11:40 Title: Docetaxel-liposomes prepared by the dual centrifugation method: Effect of propylene glycol and lipid charge on liposomal characteristics
[Ann Mari Holsæter](#), The Arctic University of Norway, Norway

11:40-12:00 Title: Delivering type I interferon to dendritic cells empowers tumor eradication and immune combination treatments
[Jan Tavernier](#), UGent/VIB, Belgium

- 12:00-12:20 **Title: Lipid and carbohydrate based delivery vesicles for gene therapeutics: Approaching difficult diseases**
Kira Astakhova, Technical University of Denmark, Denmark
- 12:20-12:40 **Title: In vitro modeling of the blood-brain barrier to assess CNS drug delivery**
Fabien Gosselet, Blood-brain barrier laboratory, Artois University, France
- 12:40-13:00 **Title: Prototyping and evaluating a novel humanoid chewing robot for drug delivery using a medicated chewing gum**
Kazem Alemzadeh, University of Bristol, UK
- 13:00-13:20 **Title: Multifunctionalized and targeted biocatalytic nanoreactor for combinatory treatment of ER+ breast cancer**
Rafael Vazquez-Duhalt, Universidad Nacional Autónoma de México, Mexico

Group Photo

- 13:20-14:10 **Lunch Break** **@ Restaurant Food & More**
- 14:10-14:30 **Title: New approach to study difference in NSAIDs enantiomer activity, including chiral inversion.**
Tatyana Viktorovna Leshina, Voevodsky Institute of Chemical Kinetics and Combustion of Russian Academy of Science, Russia
- 14:30-14:50 **Title: In situ delivery and production system of anti-cancer molecules with gene-engineered bifidobacterium**
Shun'ichiro Taniguchi, Shinshu University School of Medicine, Japan
- 14:50-15:10 **Title: Influence of mucoadhesivity on the bioavailability of nanoparticulate drug delivery systems**
Ylenia Zambito, University of Pisa, Italy
- 15:10-15:30 **Title: Systemic liver-targeting delivery of a novel DNA/RNA heteroduplex oligonucleotide via an enteral route**
Chie Watanabe, Josai University, Japan
- 15:30-15:50 **Title: Physicochemical and biophysical study of mechanisms the drugs bioavailability enhancement with new multifunctional delivery systems**
Nikolay E. Polyakov, Voevodsky Institute of Chemical Kinetics and Combustion of Russian Academy of Science, Russia
- 15:50-16:10 **Title: Designing ADME formulations with matching exposures to amorphous solid dosage forms**
Aditya Tatavarti, Merck Sharp & Dohme Inc, USA
- 16:10-16:30 **Coffee Break** **@ Foyer**

- 16:30-16:50 Title: Wound healing mats made of layer by layer coated nanoparticles and electrospun nanofibers
Gulcin Arslan Azizoglu, Ege University, Turkey
- 16:50-17:10 Title: In vitro model of diclofenac sodium gel delivery through pig skin
Enkelejda Goci, Aldent University, Albania
- 17:10-17:30 Title: Influence of formulation and freeze drying process variations on protein stability
Paritosh Pande, IMA Life North America and University of Connecticut, USA
- 17:30-17:50 Title: Valproic acid encapsulated biodegradable microneedles for treatment of androgenetic alopecia
Shayan Fakhraei Lahiji, Yonsei University, South Korea
- 17:50-18:10 Title: Therapeutic effects of trehalose liposomes against tumors along with apoptosis
Yoko Matsumoto, Sojo University, Japan

Day 2 June 25, 2019 (Tuesday) @ Londres Rome

Moderator Elinaz Farokhi, San Diego State University, USA

Keynote Presentations

- 09:00-09:30 Title: Nanoparticle delivery of natural products for the treatment of lung cancer
Gillian Hutcheon, Liverpool John Moores University, UK
- 09:30-10:00 Title: Synthesis and physicochemical analysis of multi-component phases in drug development
Mino R. Caira, University of Cape Town, South Africa
- 10:00-10:30 Title: Preclinical validation of a cell penetrating and interfering peptide
Angelita Rebollo, CIMI Paris, France

Special Session

- 10:30-11:00 Title: Facile preparation and characterization of robust metal-free nitroxide-based magnetic mixed micelles as MRI-visible drug delivery carrier
Rui Tamura, Kyoto University, Japan

11:00-11:20 **Coffee Break**

@ Foyer

Oral Presentations

Sessions on: Nanotechnology in Pharmaceuticals and Drug delivery systems | Pharmacovigilance and Drug Safety | Therapeutic Drug Carrier Systems | Cellular Targeting and Intracellular Delivery | Pharmaceutical Microbiology and Biotechnology | Vaccine design and drug delivery technology

Session Chairs: Gillian Hutcheon, Liverpool John Moores University, UK
Mino R. Caira, University of Cape Town, South Africa
Kira Astakhova, Technical University of Denmark, Denmark

- 11:20-11:40 Title: Nano- versus micro-particles for S-nitrosoglutathione formulation
Marianne Parent, Université de Lorraine, France
- 11:40-12:00 Title: Pseudomonas aeruginosa type 3 secretion system mediated antigen delivery for cancer immunotherapy
Toussaint Bertrand, University Grenoble Alpes, France
- 12:00-12:20 Title: Engineering novel selectivity into metalloantibodies germline-encoded precursor to the murine anti-S1P metalloantibody in E.coli and baculovirus-insect cell system
Elinaz Farokhi, San Diego State University, USA
- 12:20-12:40 Title: Discovery of novel bacterial genes encoding the enzymes acting on modified uracil/uridine derivatives and their use for gene therapy in cancer treatment
Jaunius Urbonavičius, Vilnius Gediminas Technical University, Lithuania
- 12:40-13:00 Title: Drug delivery to the skin: Nanostructures for the treatment of precancerous actinic keratosis
Silvia Tampucci, University of Pisa, Italy
- 13:00-13:20 Title: Liposomes as valuable drug delivery systems for siRNA and Hsp90 inhibitors to target triple negative breast tumors
Juliette Vergnaud-Gauduchon, Université Paris-Sud, France
- 13:20-14:10 **Lunch Break** **@ Restaurant Food & More**
- 14:10-14:30 Title: A RNA producing DNA hydrogel as a platform for a high performance RNA interference system
Nokyoung Park, Myongji University, South Korea
- 14:30-14:50 Title: Metal-organic framework nanoparticles preparation of sildenafil: A new window in the treatment of pulmonary arterial hypertension
Haissam Abou Saleh, Qatar University, Qatar
- 14:50-15:10 Title: Release and activity of the broad spectrum antibiotic Rifampicin from biodegradable polymer PLGA
Justine Fraser, The University of Strathclyde, UK

- 15:10-15:30 Title: Role of the optimal dynamic state and stabilized catalytic complex for rational design of pharmaceutical enzymes: Engineering of streptokinase with enhanced, fibrin-dependent activity
Farzin Roohvand, Pasteur Institute of Iran, Iran
- 15:30-15:50 Title: Pharmacovigilance: Aims, challenges and perspective
Razan Ghattas Mhanna, Lebanese International University, Lebanon
- 15:50-16:10 Title: Original Synthesis of natural acetogenins, fattyacids and lembehynes as a potential drugs for treatment of cancer and neurodegenerative diseases
Vladimir A. D'yakonov, Institute of Petrochemistry and Catalysis of RAS, Russia
- 16:10-16:30 **Coffee Break** @ Foyer
- 16:30-16:50 Title: The nuclear membrane as a barrier to the action of anthracycline chemotherapeutics
Gulnihal Ozcan, Koc University Research Center for Translational Medicine, Turkey
- 16:50-17:10 Title: Global legal tools for pharmacovigilance and risk control
Eliana Silva De Moraes, Partner at Silva de Moraes Associes, France and Brazil
- 17:10-17:30 Title: Self-propelled objects with high autonomy for transportation
Satoshi Nakata, Hiroshima University, Japan

17:30 - 19:00 Poster Presentations**@ Amsterdam**

- P01 Title: HIV-1 integrase tetramers are the antiviral target of pyridine-based allosteric integrase inhibitors
Mamuka Kvaratskhelia, University of Colorado School of Medicine, USA
- P02 Title: Study of the capability of Chitosan-Glutathione nanoparticles to modulate redox state in human Chondrocytes
Roberto Diaz-Torres, National University of Mexico, Mexico
- P03 Title: The biomedical application of biogenic silver nanoparticles produced from *Cotyledon orbiculata*
Samantha Meyer, Cape Peninsula University of Technology, South Africa
- P04 Title: Nano-amorphous abiraterone acetate formulation with improved bioavailability and eliminated food effect
Tamás Jordán, NanGenex Inc, Hungary
- P05 Title: Dissolution study of drug release from biopolymer matrix tablets
Kevin Matzick, University of Pardubice, Czech Republic

- P06 Title: TAA-induced liver damage in KLF10 knockout mice
Azra Memon, Inha University, Republic of Korea
- P07 Title: Neuropeptide Y-based recombinant peptides improve bone loss in mice by regulating hematopoietic stem/progenitor cell mobilization
Hee Kyung Jin, Kyungpook National University, Republic of Korea
- P08 Title: Antitumor effects of retargeted AAV2 virus on ovarian cancer in vivo
Hyung Jun Ahn, Korea Institute of Science and Technology, South Korea
- P09 Title: Niosomal encapsulation of Curcumin: Characterization and its potential as a therapeutic intervention in asthma
Dinesh Kumar Chellappan, International Medical University, Malaysia
- P10 Title: Calotropis gigantea extract induces apoptosis through extrinsic/intrinsic pathways and reactive oxygen species generation in A549 and NCI-H1299 non-small cell lung cancer cells
Jiyon Lee, Konkuk University, Republic of Korea
- P11 Title: Kinetics of pentoxifylline release from hydrophilic, lipophilic and dual matrix tablets
Barbora Slezáková, University of Pardubice, Czech Republic
- P12 Title: Development of rotigotine nanoparticles and its effect on haloperidol induced Parkinsonian symptoms in rats
Subrat Kumar Bhattamisra, International Medical University, Malaysia
- P13 Title: Synthesis, evaluation and computational simulation of novel coumarin derivatives as potential acetylcholinesterase inhibitors
Haeil Park, Kangwon National University, Republic of Korea
- P14 Title: Characterization and validation of tumor cell-selective penetrating peptides
Angelita Rebollo, CIMI Paris, France
- P15 Title: Freshwater sapropel extract for use in medicine and pharmaceuticals
Aneka Klavina, Rīgas Stradiņš University, Latvia
- P16 Title: Fabrication and characterization of transdermal patch loaded with Ascorbic acid
Ahlam Zaid Alkilani, Zarqa University, Jordan
- P17 Title: Nanoemulsion-laden organogels of lidocaine as lipid-based systems for topical delivery
Rania Hamed, Al-Zaytoonah University of Jordan, Jordan
- P18 Title: Anti-cancer effect of Tuberatolide B in MDA-MB-231 cells through induction of ROS and inhibition of STAT3 pathway
Areumi Park, Korea Institute of Ocean science & Technology, Republic of Korea

- P19 Title: Protective effect of Bis (3-bromo-4,5-dihydroxybenzyl) ether against LPS-induced inflammatory response in RAW 264.7 macrophages through ROS-mediated ERK signaling pathway
Soo-Jin Heo, Korea Institute of Ocean science & Technology, Republic of Korea
- P20 Title: Saringosterol acetate suppressed hepatocellular carcinoma growth and metastasis in a zebrafish xenograft model
Eun-A Kim, Korea Institute of Ocean science & Technology, Republic of Korea
- P21 Title: Molecular weight characterization of sodium carboxymethyl cellulose by advance polymer chromatography
Ekaterina Sobich, AbbVie Deutschland GmbH & Co. KG R&D, Germany
- P22 Title: Strategies to increase the passage of large molecules through the blood brain barrier
Charlotte Lombardi, Grenoble-Alpes University, France
- P23 Title: Peptide functionalized nanoparticles for the selective induction of apoptosis in target cells
Mervin Meyer, University of the Western Cape, South Africa
- P24 Title: Cell-free expression of a membrane antigen for vaccine uses
Geraldine Mayeux, University Grenoble Alpes, France
- P25 Title: Thermoresponsive in situ gelling systems for ophthalmic drug delivery
Concepción Renedo Laguna, University of Seville, Spain
- P26 Title: To be Announced
Jae-sung Bae, Kyungpook National University, Republic of Korea

Day 3 June 26, 2019 (Wednesday) @ Londres Rome

Moderator Maria van Dongen, The Janssen Pharmaceutical Companies of Johnson & Johnson, Belgium

Keynote Presentations

- 09:00-09:30 Title: Cell-penetrating peptides and delivery of oligonucleotides
Ülo Langel, Stockholm University, Sweden
- 09:30-10:00 Title: Strategies to improve drug delivery to the lungs from dry powder inhalers
El Hassane Larhrib, University of Huddersfield, UK
- 10:00-10:30 Title: Pharmaceutical applications of graphene-based nanomaterials in cancer theranostics
Marlene Lúcio, CF-UM-UP, Portugal

10:30-11:00 Title: Designing extracellular vesicles for bio-camouflaged drug delivery and cell-free regenerative medicine
Amanda Silva Brun, CNRS, Université Paris-Diderot, France

11:00-11:20 **Coffee Break**

@ Foyer

Oral Presentations

Sessions on: Advances in Biotherapeutics-Drug Discovery and Development | Drug discovery and Screening | Pharmaceutical Analysis and Quality Assurance | Pharmaceutical Research & Development

Session Chairs: Ülo Langel, Stockholm University, Sweden
EL Hassane Larhrib, Huddersfield University, UK
Angelita Rebollo, CIMI Paris, France

11:20-11:40 Title: Antibody-guided discovery of potent small-molecule fusion inhibitors of influenza virus
Maria van Dongen, The Janssen Pharmaceutical Companies of Johnson & Johnson, Belgium

11:40-12:00 Title: Targeting liver function to circumvent neuronal and cardiac dysfunctions linked to hyperhomocysteinemia
Nathalie Janel, University Paris Diderot, France

12:00-12:20 Title: Detection of "Hidden" drug resistance by the EZMTT assay
Benfang (Bennie) H. Ruan, Zhejiang University of Technology, China

12:20-12:40 Title: New indications for FDA-approved drugs: Selective inhibition of the growth of *Helicobacter pylori* by covalent allosteric regulation of urease
Fang Wu, Shanghai Jiao Tong University, China

12:40-13:00 Title: Chimeric antigen receptor(CAR)-T CELL; a biodrug as cancer therapeutic agent
Preeti Sharma, Satosh Medical College and Hospital, India

13:00-13:20 Title: Freshwater Saprochel as raw material in medicine and pharmaceutical production
Agris Auce, Rigas Stradins University, Latvia

13:20-14:10 **Lunch Break**

@ Restaurant Food & More

14:10-14:30 Title: P-selectin targeted nanocarriers are efficient drug delivery systems to activated endothelium
Manuela Calin, Institute of Cellular Biology and Pathology "N. Simionescu", Romania

- 14:30-14:50 Title: Development of novel leads for triple-negative breast cancer immunotherapy
Jing Yu, Shanghai Jiao Tong University, China
- 14:50-15:10 Title: Screening of new peptidomimetics based on kinase-inhibitory region of suppressors of cytokine signaling 1 as anti-inflammatory agents
Pasqualina Liana Scognamiglio, University of Naples "Federico II", Italy
- 15:10-15:30 Title: Novel small molecules for PPARs modulation and their potential use for treatment of metabolic disorders
Antonio Laghezza, Università degli Studi di Bari "Aldo Moro", Italy
- 15:30-15:50 Title: Caloric restriction and longevity
Bartolome Ribas Ozonias, Royal National Academy of Pharmacy, Institute of Spain. Madrid, Spain
- 15:50-16:10 Title: Synactix Inc and academic case studies of targeted therapy
Hong-yu Li, University of Arkansas for Medical Sciences, USA
- 16:10-16:30 **Coffee Break** @ Foyer
- 16:30-16:50 Title: Liposomal encapsulation of silver nanoparticles suppresses nanoparticle-induced ROS and inflammation, and induces caspase-dependent apoptosis
Azeez Yusuf, Technical University Dublin, Ireland
- 16:50-17:10 Title: Development of substances with biological and pharmacological activity based on structural nucleus hybrids from phytochemical compounds like secondary metabolites
José Eduardo Cuéllar, Universidad Nacional de Colombia, Colombia
- 17:10-17:30 Title: Aspects of controlled-release dosage forms in veterinary medicine with emphasis on GRDF (Gastro retentive dosage forms)
Eran Lavy, Hebrew University of Jerusalem, Israel
- 17:30-17:50 Title: The impact of inspiratory parameters on the performance of marketed dry powder inhalers using patients' inhalation profiles
Mohamad Abadelah, University of Tobruk, Libya
- 17:50-18:10 Title: To be Announced
Yazen Alnouti, University of Nebraska Medical Center, USA

END NOTE