



3<sup>rd</sup> 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

PDDS 2019

## 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 Saproel 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\*\*\*

*We wish to meet you again at our other  
Magnus Pharma Events*

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4<sup>th</sup> Edition of Global Conference on  
**Pharmaceutics and Novel Drug Delivery Systems**

April 27-29, 2020 | Dubai

<https://magnusconferences.com/pharmaceutical-sciences/>

Email: [pharma@magnusmeetings.com](mailto:pharma@magnusmeetings.com)

5<sup>th</sup> Edition of Global Conference on  
**Pharmaceutics and Drug Delivery Systems**

June 15-17, 2020 | Italy

[www.pharmaceuticsconference.com](http://www.pharmaceuticsconference.com)

Email: [pharma@magnusconferences.com](mailto:pharma@magnusconferences.com)



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