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

@PharmaGlobalConference #PDDS2019 @Pharma_PDDS
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
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>12:00-12:20</td>
<td>Title: Lipid and carbohydrate based delivery vesicles for gene therapeutics: Approaching difficult diseases</td>
<td>Kira Astakhova, Technical University of Denmark, Denmark</td>
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<tr>
<td>12:20-12:40</td>
<td>Title: In vitro modeling of the blood-brain barrier to assess CNS drug delivery</td>
<td>Fabien Gosselet, Blood-brain barrier laboratory, Artois University, France</td>
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<tr>
<td>12:40-13:00</td>
<td>Title: Prototyping and evaluating a novel humanoid chewing robot for drug delivery using a medicated chewing gum</td>
<td>Kazem Alemzadeh, University of Bristol, UK</td>
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<tr>
<td>13:00-13:20</td>
<td>Title: Multifunctionalized and targeted biocatalytic nanoreactor for combinatory treatment of ER+ breast cancer</td>
<td>Rafael Vazquez-Duhalt, Universidad Nacional Autónoma de México, Mexico</td>
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<td>13:20-14:10</td>
<td>Lunch Break</td>
<td>@ Restaurant Food &amp; More</td>
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<td>14:10-14:30</td>
<td>Title: New approach to study difference in NSAIDs enantiomer activity, including chiral inversion.</td>
<td>Tatyana Viktorovna Leshina, Voevodsky Institute of Chemical Kinetics and Combustion of Russian Academy of Science, Russia</td>
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<tr>
<td>14:30-14:50</td>
<td>Title: In situ delivery and production system of anti-cancer molecules with gene-engineered bifidobacterium</td>
<td>Shun’ichiro Taniguchi, Shinshu University School of Medicine, Japan</td>
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<tr>
<td>14:50-15:10</td>
<td>Title: Influence of mucoadhesivity on the bioavailability of nanoparticulate drug delivery systems</td>
<td>Ylenia Zambito, University of Pisa, Italy</td>
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<tr>
<td>15:10-15:30</td>
<td>Title: Systemic liver-targeting delivery of a novel DNA/RNA heteroduplex oligonucleotide via an enteral route</td>
<td>Chie Watanabe, Josai University, Japan</td>
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<td>15:30-15:50</td>
<td>Title: Physicochemical and biophysical study of mechanisms the drugs bioavailability enhancement with new multifunctional delivery systems</td>
<td>Nikolay E. Polyakov, Voevodsky Institute of Chemical Kinetics and Combustion of Russian Academy of Science, Russia</td>
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<tr>
<td>15:50-16:10</td>
<td>Title: Designing ADME formulations with matching exposures to amorphous solid dosage forms</td>
<td>Aditya Tatavarti, Merck Sharp &amp; Dohme Inc, USA</td>
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<td>16:10-16:30</td>
<td>Coffee Break</td>
<td>@ Foyer</td>
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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**

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**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 Pharmaceutics 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
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

Title: Pharmacovigilance: Aims, challenges and perspective
Razan Ghattas Mhanna, Lebanese International University, Lebanon

Title: Original Synthesis of natural acetogenins, fatty acids and lembelhydes as a potential drugs for treatment of cancer and neurodegenerative diseases
Vladimir A. D’yakonov, Institute of Petrochemistry and Catalysis of RAS, Russia

Title: The nuclear membrane as a barrier to the action of anthracycline chemotherapeutics
Gulnihal Ozcan, Koc University Research Center for Translational Medicine, Turkey

Title: Global legal tools for pharmacovigilance and risk control
Eliana Silva De Moraes, Partner at Silva de Moraes Associes, France and Brazil

Title: Self-propelled objects with high autonomy for transportation
Satoshi Nakata, Hiroshima University, Japan

17:30 - 19:00 Poster Presentations

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
Title: TAA-induced liver damage in KLF10 knockout mice
Azra Memon, Inha University, Republic of Korea

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

Title: Antitumor effects of retargeted AAV2 virus on ovarian cancer in vivo
Hyung Jun Ahn, Korea Institute of Science and Technology, South Korea

Title: Niosomal encapsulation of Curcumin: Characterization and its potential as a therapeutic intervention in asthma
Dinesh Kumar Chellappan, International Medical University, Malaysia

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

Title: Kinetics of pentoxifylline release from hydrophilic, lipophilic and dual matrix tablets
Barbora Slezáková, University of Pardubice, Czech Republic

Title: Development of rotigotine nanoparticles and its effect on haloperidol induced Parkinsonian symptoms in rats
Subrat Kumar Bhattamisra, International Medical University, Malaysia

Title: Synthesis, evaluation and computational simulation of novel coumarin derivatives as potential acetylcholinesterase inhibitors
Haeil Park, Kangwon National University, Republic of Korea

Title: Characterization and validation of tumor cell-selective penetrating peptides
Angelita Rebollo, CIMIT Paris, France

Title: Freshwater sapropel extract for use in medicine and pharmaceutics
Aneka Klavina, Rigas Stradiņš University, Latvia

Title: Fabrication and characterization of transdermal patch loaded with Ascorbic acid
Ahlam Zaid Alkilani, Zarqa University, Jordan

Title: Nanoemulsion–laden organogels of lidocaine as lipid–based systems for topical delivery
Rania Hamed, Al-Zaytoonah University of Jordan, Jordan

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 hepatocelluar 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
Úlo 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
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<th>Time</th>
<th>Title</th>
<th>Speaker/Institution</th>
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<tbody>
<tr>
<td>10:30-11:00</td>
<td>Title: Designing extracellular vesicles for bio-camouflaged drug delivery and cell-free regenerative medicine</td>
<td>Amanda Silva Brun, CNRS, Université Paris-Diderot, France</td>
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<tr>
<td>11:00-11:20</td>
<td>Coffee Break</td>
<td>@ Foyer</td>
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<td><strong>Oral Presentations</strong></td>
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<td><strong>Sessions on:</strong></td>
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<td>Advances in Biotherapeutics-Drug Discovery and Development</td>
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<td>Drug discovery and Screening</td>
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<td>Pharmaceutical Analysis and Quality Assurance</td>
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<td>Pharmaceutical Research &amp; Development</td>
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<td><strong>Session Chairs:</strong></td>
<td>Ülo Langel, Stockholm University, Sweden, EL Hassane Larhrib, Huddesfield University, UK, Angelita Rebollo, CIMI Paris, France</td>
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<td>11:20-11:40</td>
<td>Title: Antibody-guided discovery of potent small-molecule fusion inhibitors of influenza virus</td>
<td>Maria van Dongen, The Janssen Pharmaceutical Companies of Johnson &amp; Johnson, Belgium</td>
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<td>Title: Targeting liver function to circumvent neuronal and cardiac dysfunctions linked to hyperhomocysteinemia</td>
<td>Nathalie Janel, University Paris Diderot, France</td>
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<td>12:00-12:20</td>
<td>Title: Detection of “Hidden” drug resistance by the EZMTT assay</td>
<td>Benfang (Bennie) H. Ruan, Zhejiang University of Technology, China</td>
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<td>Title: New indications for FDA-approved drugs: Selective inhibition of the growth of Helicobacter pylori by covalent allosteric regulation of urease</td>
<td>Fang Wu, Shanghai Jiao Tong University, China</td>
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<td>12:40-13:00</td>
<td>Title: Chimeric antigen receptor(CAR)-T CELL; a biodrug as cancer therapeutic agent</td>
<td>Preeti Sharma, Satosh Medical College and Hospital, India</td>
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<td>13:20-14:10</td>
<td>Lunch Break</td>
<td>@ Restaurant Food &amp; More</td>
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<tr>
<td>14:10-14:30</td>
<td>Title: P-selectin targeted nanocarriers are efficient drug delivery systems to activated endothelium</td>
<td>Manuela Calin, Institute of Cellular Biology and Pathology “N. Simionescu”, Romania</td>
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<td>14:30-14:50</td>
<td>Development of novel leads for triple-negative breast cancer immunotherapy</td>
<td>Jing Yu, Shanghai Jiao Tong University, China</td>
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<td>14:50-15:10</td>
<td>Screening of new peptidomimetics based on kinase-inhibitory region of suppressors of cytokine signaling 1 as anti-inflammatory agents</td>
<td>Pasqualina Liana Scognamiglio, University of Naples “Federico II”, Italy</td>
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<td>15:10-15:30</td>
<td>Novel small molecules for PPARs modulation and their potential use for treatment of metabolic disorders</td>
<td>Antonio Laghezza, Università degli Studi di Bari “Aldo Moro”, Italy</td>
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<td>15:30-15:50</td>
<td>Caloric restriction and longevity</td>
<td>Bartolome Ribas Ozonas, Royal National Academy of Pharmacy, Institute of Spain. Madrid, Spain</td>
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<td>15:50-16:10</td>
<td>Synactix Inc and academic case studies of targeted therapy</td>
<td>Hong-yu Li, University of Arkansas for Medical Sciences, USA</td>
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<td>16:10-16:30</td>
<td>Coffee Break</td>
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<td>16:30-16:50</td>
<td>Liposomal encapsulation of silver nanoparticles suppresses nanoparticle-induced ROS and inflammation, and induces caspase-dependent apoptosis</td>
<td>Azeez Yusuf, Technical University Dublin, Ireland</td>
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<td>16:50-17:10</td>
<td>Development of substances with biological and pharmacological activity based on structural nucleus hybrids from phytochemical compounds like secondary metabolites</td>
<td>José Eduardo Cuéllar, Universidad Nacional de Colombia, Colombia</td>
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<tr>
<td>17:10-17:30</td>
<td>Aspects of controlled-release dosage forms in veterinary medicine with emphasis on GRDF (Gastro retentive dosage forms)</td>
<td>Eran Lavy, Hebrew University of Jerusalem, Israel</td>
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<tr>
<td>17:30-17:50</td>
<td>The impact of inspiratory parameters on the performance of marketed dry powder inhalers using patients’ inhalation profiles</td>
<td>Mohamad Abadelah, University of Tobruk, Libya</td>
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<td>17:50-18:10</td>
<td>To be Announced</td>
<td>Yazen Alnouti, University of Nebraska Medical Center, USA</td>
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***END NOTE***

PS: Please be informed that there may be slight change in the program for any reasons. So, be available in the hall on whole day of your presentation.
We wish to meet you again at our other Magnus Pharma Events

4th 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

5th Edition of Global Conference on
Pharmaceutics and Drug Delivery Systems
June 15-17, 2020 | Italy
www.pharmaceuticsconference.com
Email: pharma@magnusconferences.com

Questions? Contact
+1 (702) 988-2320 or
Email: pharma@magnusconferences.com

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