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

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

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

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

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

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 Assosciates, France and Brazil

17:10-17:30 Title: Self-propelled objects with high autonomy for transportation
Satoshi Nakata, Hiroshima University, Japan
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>P01</strong> HIV-1 integrase tetramers are the antiviral target of pyridine-based allosteric integrase inhibitors</td>
<td>Mamuka Kvaratskhelia, University of Colorado School of Medicine, USA</td>
</tr>
<tr>
<td><strong>P02</strong> Study of the capability of Chitosan-Glutathione nanoparticles to modulate redox state in human Chondrocytes</td>
<td>Roberto Diaz-Torres, National University of Mexico, Mexico</td>
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<tr>
<td><strong>P03</strong> The biomedical application of biogenic silver nanoparticles produced from Cotyledon orbiculata</td>
<td>Samantha Meyer, Cape Peninsula University of Technology, South Africa</td>
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<tr>
<td><strong>P04</strong> Nano-amorphous abiraterone acetate formulation with improved bioavailability and eliminated food effect</td>
<td>Tamás Jordán, NanGenex Inc, Hungary</td>
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<tr>
<td><strong>P05</strong> Dissolution study of drug release from biopolymer matrix tablets</td>
<td>Kevin Matzick, University of Pardubice, Czech Republic</td>
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<td><strong>P06</strong> TAA-induced liver damage in KLF10 knockout mice</td>
<td>Azra Memon, Inha University, Republic of Korea</td>
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<td><strong>P07</strong> Neuropeptide Y-based recombinant peptides improve bone loss in mice by regulating hematopoietic stem/progenitor cell mobilization</td>
<td>Hee Kyung Jin, Kyungpook National University, Republic of Korea</td>
</tr>
<tr>
<td><strong>P08</strong> Antitumor effects of retargeted AAV2 virus on ovarian cancer in vivo</td>
<td>Hyung Jun Ahn, Korea Institute of Science and Technology, South Korea</td>
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<tr>
<td><strong>P09</strong> Niosomal encapsulation of Curcumin: Characterization and its potential as a therapeutic intervention in asthma</td>
<td>Dinesh Kumar Chellappan, International Medical University, Malaysia</td>
</tr>
<tr>
<td><strong>P10</strong> 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</td>
<td>Jiyon Lee, Konkuk University, Republic of Korea</td>
</tr>
<tr>
<td><strong>P11</strong> Kinetics of pentoxifylline release from hydrophilic, lipophilic and dual matrix tablets</td>
<td>Barbora Slezáková, University of Pardubice, Czech Republic</td>
</tr>
<tr>
<td><strong>P12</strong> Development of rotigotine nanoparticles and its effect on haloperidol induced Parkinsonian symptoms in rats</td>
<td>Subrat Kumar Bhattamisra, International Medical University, Malaysia</td>
</tr>
</tbody>
</table>
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, CIMI 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

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

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

Title: Molecular weight characterization of sodium carboxymethyl cellulose by advance polymer chromatography
Ekaterina Sobich, AbbVie Deutschland GmbH & Co. KG R&D, Germany

Title: Strategies to increase the passage of large molecules through the blood brain barrier
Charlotte Lombardi, Grenoble-Alpes University, France

Title: Peptide functionalized nanoparticles for the selective induction of apoptosis in target cells
Mervin Meyer, University of the Western Cape, South Africa

Title: Cell-free expression of a membrane antigen for vaccine uses
Geraldine Mayeux, University Grenoble Alpes, France

Title: Thermoresponsive in situ gelling systems for ophthalmic drug delivery
Concepción Renedo Laguna, University of Seville, Spain

Title: To be Announced
Jae-sung Bae, Kyungpook National University, Republic of Korea
# Keynote Presentations

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00-09:30</td>
<td>Cell-penetrating peptides and delivery of oligonucleotides</td>
<td>Úlo Langel, Stockholm University, Sweden</td>
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<tr>
<td>09:30-10:00</td>
<td>Strategies to improve drug delivery to the lungs from dry powder inhalers</td>
<td>El Hassane Larhrib, University of Huddersfield, UK</td>
</tr>
<tr>
<td>10:00-10:30</td>
<td>Pharmaceutical applications of graphene-based nanomaterials in cancer theranostics</td>
<td>Marlene Lúcio, CF-UM-UP, Portugal</td>
</tr>
<tr>
<td>10:30-11:00</td>
<td>Designing extracellular vesicles for bio-camouflaged drug delivery and cell-free regenerative medicine</td>
<td>Amanda Silva Brun, CNRS, Université Paris-Diderot, France</td>
</tr>
</tbody>
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**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:** Úlo Langel, Stockholm University, Sweden
EL Hassane Larhrib, Huddersfield University, UK
Angelita Rebollo, CIMI Paris, France

<table>
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<tr>
<td>11:40-12:00</td>
<td>Targeting liver function to circumvent neuronal and cardiac dysfunctions linked to hyperhomocysteinemia</td>
<td>Nathalie Janel, University Paris Diderot, France</td>
</tr>
<tr>
<td>12:00-12:20</td>
<td>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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<tr>
<td>12:20-12:40</td>
<td>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>
</tr>
<tr>
<td>12:40-13:00</td>
<td>Chimeric antigen receptor(CAR)-T CELL; a biodrug as cancer therapeutic agent</td>
<td>Preeti Sharma, Satosh Medical College and Hospital, India</td>
</tr>
<tr>
<td>13:00-13:20</td>
<td>Freshwater Sapropel as raw material in medicine and pharmaceutical production</td>
<td>Agris Auce, Rigas Stradins University, Latvia</td>
</tr>
</tbody>
</table>
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 Ozonas, 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***

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
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