

**TENTATIVE  
PROGRAM**

3<sup>rd</sup> Edition of Global Conference on  
**PHARMACEUTICS AND  
DRUG DELIVERY SYSTEMS**

**PDDS  
2019**

JUNE 24-26, 2019  
PARIS, FRANCE

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

## Keynote Presentations

**Title: Novel developments in lipid-based multifunctional combination nanopreparations for multidrug resistant cancer**

Vladimir P Torchilin, Northeastern University, USA

**Title: Nanomaterials for targeting drugs to cancer stem cells**

Esmail Jabbari, University of South Carolina, USA

**Title: Taking your active from the lab to scale-up formulation development of a topical delivery system**

Robert Houlden, Formulytica Pty. Ltd., Australia

**Title: Government and industry response to the US opioid epidemic**

Robert P. Bianchi, Prescription Drug Research Center, USA

**Title: Nano-enabled delivery of drugs and imaging agents to colorectal cancer cells in vitro and in vivo**

Paul A. Millner, University of Leeds, UK

**Title: Synthesis and physicochemical analysis of multi-component phases in drug development**

Mino R Cairá, University of Cape Town, South Africa

**Title: Nanoparticle delivery of natural products for the treatment of lung cancer**

Gillian Hutcheon, Liverpool John Moores University, UK

**Title: Cell-penetrating peptides and delivery of oligonucleotides**

Ulo Langel, Stockholm University, Sweden

**Title: Strategies to improve drug delivery to the lungs from dry powder inhalers**

El Hassane Larhrib, University of Huddersfield, UK

**Title: Pharmaceutical applications of graphene-based nanomaterials in cancer theranostics**

Marlene Lucio, University of Minho, Portugal

**Title: Designing extracellular vesicles for bio-camouflaged drug delivery and cell-free regenerative medicine**

Amanda Silva Brun, Université Paris Diderot, France

## Oral Presentations

**Title: The use of self-immolative polymers to control cellular delivery**

Georgina Kate Such, University of Melbourne, Australia

**Title: Delivering type I interferon to dendritic cells empowers tumor eradication and immune combination treatments**

Jan Tavernier, Ghent University, Belgium

**Title: Docetaxel-liposomes prepared by the dual centrifugation method: Effect of propylene glycol and lipid charge on liposomal characteristics**

Ann Mari Holsater, University of Tromso, Norway

**Title: Nano- versus micro-particles for S-nitrosoglutathione formulation**

Marianne Parent, Universite de Lorraine, France

**Title: P-selectin targeted nanocarriers are efficient drug delivery systems to activated endothelium**

Manuela Calin, "N. Simionescu" of Romanian Academy, Romania

**Title: Influence of formulation and freeze drying process variations on protein stability**

Paritosh Pande, IMA Life North America and University of Connecticut, USA

**Title: Drug delivery to the skin: Nanostructures for the treatment of precancerous actinic keratosis**

Silvia Tampucci, University of Pisa, Italy

**Title: Antibody-guided discovery of potent small-molecule fusion inhibitors of influenza virus**

Maria van Dongen, Johnson & Johnson, Belgium

**Title: Radiolabeled niosomes as potential passive targeting nanocarriers**

Alice Chuah Lay Hong, Monash University, Malaysia

**Title: Release and activity of the broad spectrum antibiotic Rifampicin from biodegradable polymer PLGA**

Justine Fraser, University of Strathclyde, UK

**Title: Influence of formulation and freeze drying process variations on protein stability**

Tatyana Viktorovna Leshina, Voevodsky Institute of Chemical Kinetics and Combustion, Russia

**Title: Pharmacovigilance: Aims, challenges and perspectives**

Razan Ghattas Mhanna, Lebanese International University, Lebanon

**Title: Multifunctionalized and targeted biocatalytic nanoreactor for combinatory treatment of ER+ breast cancer**

Rafael Vazquez-Duhalt, Universidad Nacional Autonoma de Mexico, Mexico

**Title: In vitro modeling of the blood-brain barrier**

Fabien Gosselet, Artois University, France

**Title: Designing ADME formulations with matching exposures to amorphous solid dosage forms**

Aditya Tatavarti, Merck Research Laboratories, USA

**Title: Prototyping and evaluating a novel humanoid chewing robot for drug delivery using a medicated chewing gum**

Kazem Alemzadeh, University of Bristol, UK

**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

**Title: Pseudomonas aeruginosa type 3 secretion system mediated antigen delivery for cancer immunotherapy**

Bertrand Toussaint, Univ.Grenoble Alpes, France

**Title: Systemic liver-targeting delivery of a novel DNA/RNA heteroduplex oligonucleotide via an enteral route**

Chie Watanabe, Josai University, Japan

**Title: Global legal tools for pharmacovigilance and risk control**

Eliana Silva De Moraes, The Brazilian Regulatory Affairs Society – ABPVS in Europe, Brazil

**Title: Lipid and carbohydrate based delivery vesicles for gene therapeutics: Approaching difficult diseases**

Kira Astakhova, Technical University of Denmark, Denmark

**Title: Precilinal validation of a cell penetratin and interfering peptide**

Angelita Rebollo, CIMI Paris, France

**Title: In situ delivery and production system of anti-cancer molecules with gene-engineered bifidobacterium**

Shunichiro Taniguchi, Shinshu University, Japan

**Title: A RNA producing DNA hydrogel as a platform for a high performance RNA interference system**

Nokyoung Park, Myongji University, Korea

**Title: The story of Glatiramer acetate (Copaxone) in the treatment of multiple sclerosis and its new applications**

Rina Aharoni, The Weizmann Institute of Science, Israel

**Title: Calixarene nanovesicles for drug delivery**

Jingxin Mo, Guilin Medical University, China

**Title: Influence of mucoadhesivity on the bioavailability of nanoparticulate drug delivery systems**

Ylenia Zambito, University of Pisa, Italy

**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, Russia

**Title: High throughput evaluation of the payload delivery efficiency for immunoconjugates**

Xincheng Hou, ShanghaiTech University, China

**Title: Catalytic antibodies (Ab-Proteases) as unique biomarkers and targets to monitor and to manage chronic disorders and to serve tools for translational applications of the next-step generation**

Sergey V Suchkov, Sechenov University, Russia

**Title: Liposomes as valuable drug delivery systems for siRNA and Hsp90 inhibitors to target triple negative breast tumors**

Juliette Vergnaud-Gauduchon, Universite Paris-Sud, France

**Title: Pharmacological developments on diabetes: Natural products to nanospheres**

Muhammed Yayla, Kafkas University, Turkey

**Title: Caloric restriction and longevity**

Bartolome Ribas Ozonas, Royal National Academy of Pharmacy, Spain

**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

**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 Urbonavicius, Vilnius Gediminas Technical University, Lithuania

**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

**Title: A nanomedicine approach in the treatment of arterial hypertension**

Haissam Abou Saleh, Qatar University, Qatar

**Title: Role of the optimal dynamic state and stabilized catalytic complex for rational design of pharmaceutical enzymes: A mutant streptokinase (Asn228Lys/Phe287Lys) with enhanced, fibrin-dependent activity - Computational assessments and experimental validations**

Farzin Roohvand, Pasteur Institute of Iran, Iran

**Title: Cyclodextrins in inclusion and non-inclusion complex with drugs: in vitro and in vivo approach**

Adley Antonini Neves de Lima, Federal University of Rio Grande do Norte, Brazil

**Title: Detection of "Hidden" Drug Resistance by the EZMTT assay**

Benfang H. Ruan, Zhejiang University of Technology, China

**Title: Targeting liver function to circumvent neuronal and cardiac dysfunctions linked to hyperhomocysteinemia**

Nathalie Janel, Univ Paris Diderot, France

**Title: In vitro model of diclofenac sodium gel delivery through pig skin**

Enkelejda Goci, Aldent University, Albania

**Title: Frameshift mutation-induced alternative translation initiation as a mechanism for migraine induction involving two-pore-domain potassium channels**

Guillaume Sandoz, Universite Cote d'Azur, France

**Title: Preparation and characterization of erythrocyte membrane cloaked PLGA/arsenic trioxide nanoparticles and evaluation of their in vitro antitumor effect**

Zul Kamal, Shanghai Jiao Tong University, China

**Title: Wound healing mats made of layer by layer coated nanoparticles and electrospun nanofibers**

Gulcin Arslan Azizoglu, Ege University, Turkey

**Title: Original synthesis of natural acetogenins, fatty acids and lembeynes as a potential drugs for treatment of cancer and neurodegenerative diseases**

Vladimir A. D'yakonov, Institute of Petrochemistry and Catalysis of RAS, Russia

**Title: Comparison of whey protein and alginate hydrogels: Drug release, mechanical and thermal stability**

Fernando Villaverde Cendon, Universidade Federal do Parana, Brazil

**Title: Development of a new formulation for the treatment of hemorrhoidal disease using recombinant streptokinase as active pharmaceutical ingredient**

Ana Aguilera, Center for Genetic Engineering and Biotechnology/Biocubafarma, Cuba

**Title: Achieving lower intraocular pressure using phospholipid free, release modulated lipid carriers**

Mayssa Abdel Hady, National Research Center, Egypt

**Title: Freshwater Sapropel as raw material in medicine and pharmaceutical production**

Agris Auce, Rigas Stradins University, Latvia

**Title: Nanoencapsulated bevacizumab inhibits glioblastoma vascularization via intratumoral VEGF trapping**

Flavia Sousa, Universidade do Porto, Portugal

**Title: Self-propelled objects with high autonomy for transportation**

Satoshi Nakata, Hiroshima University, Japan

**Title: The nuclear membrane as a barrier to the action of anthracycline chemotherapeutics**

Gulnihal Ozcan, Koc University, Turkey

**Title: Encapsulation of silver nanoparticle in DPPC based liposome suppresses ROS, induced inflammation and enhance nanoparticle cytotoxicity**

Azeez Yusuf, Technical University Dublin, Ireland

**Title: Freshwater Sapropel as raw material in medicine and pharmaceutical production**  
Agris Auce, Rigas Stradins University, Latvia

## Slots Available

### Poster Presentations

**Title: HIV-1 integrase tetramers are the antiviral target of pyridine-based allosteric integrase inhibitors**

Mamuka Kvaratskhelia, University of Colorado, USA

**Title: Study of the capability of Chitosan-Glutathione nanoparticles to modulate redox state in human Chondrocytes**

Roberto Diaz-Torres, National University of Mexico, Mexico

**Title: The biomedical application of biogenic silver nanoparticles produced from *Cotyledon orbiculata***

Samantha Meyer, Cape Peninsula University of Technology, South Africa

**Title: Nano-amorphous abiraterone acetate formulation with improved bioavailability and eliminated food effect**

Tamas Jordan, NanGenex Inc, Hungary

**Title: Cell-free expression of a membrane antigen for vaccine uses**

Geraldine Mayeux, University Grenoble Alpes, France

**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, 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, Korea

**Title: Antitumor effects of retargeted AAV2 virus on ovarian cancer in vivo**

Hyung Jun Ahn, Korea Institute of Science and Technology, 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, Korea

**Title: Kinetics of pentoxifylline release from hydrophilic, lipophilic and dual matrix tablets**

Barbora Slezakova, University of Pardubice, Czech Republic

**Title: Strategies to increase the passage of large molecules through the blood brain barrier**

Charlotte Lombardi, Grenoble-Alpes University, France

**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, Korea

**Title: Freshwater sapropel extract for use in medicine and pharmaceuticals**

Aneka Klavina, Rigas Stradins 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, 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, Korea

**Title: Saringosterol acetate suppressed hepatocellular carcinoma growth and metastasis in a zebrafish xenograft model**

Eun-A Kim, Korea Institute of Ocean science & Technology, Korea

## Slots Available

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