2nd Edition of Global Conference on
PHARMACEUTICS AND DRUG DELIVERY SYSTEMS

TENTATIVE Program

PDDS 2018

THE MULTIFACETED ASPECTS OF DRUG DELIVERY

JUNE 04-06, 2018
ROME, ITALY
**Tentative Program**

### Keynote Presentations

**Drug screening and targeting against the stem subpopulation of cancer cells**  
Esmaiel Jabbari, University of South Carolina, USA

**Next generation of drug delivery system: Stimuli-sensitive combination nanopreparations**  
Vladimir Torchilin, Northeastern University, USA

**Peptide delivery to the brain: A novel treatment for migraine**  
Gillian Hutcheon, Liverpool John Moores University, UK

**Signaling peptides for brain diseases: Delivery and action**  
Eugenia V. Gurevich, Vanderbilt University, USA

**Novel long lasting micellar formulations for the treatment of postoperative pain; the development of intravenous Celecoxib**  
Damon Smith, Altus Formulation, Canada

**Impact of inhalation manoeuvre parameters on drug delivery to the Lungs from dry powder inhalers in-vitro and Ex-vivo**  
El Hassane Larhrib, University of Huddersfield, UK

**Physicochemical characterization of co-crystals and cyclodextrin inclusion complexes of bioactive molecules**  
Mino R. Caira, University of Cape Town, South Africa

### Oral Presentations

**Understanding the impact of Nanoparticle structure on cellular response**  
Georgina Kate Such, The University of Melbourne, Australia

**Nanoparticle delivery of Mitochondria-associated microRNA regulating inflammation in the central nervous system**  
Joe E. Springer, University of Kentucky, USA

**Lipid based parenteral depot for biomolecules, an update on recent work**  
Gerhard Winter, LMU München, Germany

**Translational research of the REGgamma proteasome pathway**  
Xiaotao Li, Baylor College of Medicine, USA

**Computational blind docking of ligands to drug targets: Methodology and applications**  
Csaba Hetenyi, University of Pecs, Hungary

**Solubility strategies in pharmaceutical research and development**  
Philippe J Lienard, Sanofi Research Center, France

**Overcoming the barriers to effective targeted drug delivery through stem cell-derived Nano-Ghosts**  
Marcelle Machluf, Israel Institute of Technology, Israel

**177Lu-PSMA-617 radioligand therapy for lymph node-positive prostate cancer: A retrospective cohort study**  
Finn Edler von Eyben, Center of Tobacco Control Research, Denmark

**Cyclic GMP-AMP: A new hope for metabolic disease?**  
Chaodong Wu, Texas A&M University, USA

**Drug delivery strategies aimed at improving bioavailability and biodistribution of anti-HIV chemotherapy**  
M. Hillaireau, Universite Paris-Su, France

**New aerosol treatment for human nasal cavity through numerical simulation**  
Nathann Calmet, Barcelona Supercomputing Center, Spain

**Chimeric and Multicompartment Drug Delivery Systems: Lessons learned and future perspectives**  
Natassa Pippa, University of Athens, Greece
The influence of gut microbiota-mediated bile acid metabolism on the cellular response to therapeutics at the intestinal barrier
Elaine Frances Enright, University College Cork, Ireland

Challenges of in vitro drug release testing in case of advanced mucosal formulations
Mario Jug, University of Zagreb, Croatia

Does methylphenidate (Ritalin) a remedy of choice for ADHD and cognitive enhancement or addictive danger
Nachum Dafny, The University of Texas, USA

Cyclodextrin-based photoactive liposomal nanoparticles for tumor targeting
Ilya Yakavets, Université de Lorraine, France

Cell-type specific in vivo gene delivery by receptor-targeted viral vectors
Christian J. Buchholz, Paul-Ehrlich-Institut, Germany

Getting health allies from agriculture enemies: Plant viruses as smart nanoparticles for vaccine/drug delivery
Selene Baschieri, ENEA-Laboratory of Biotechnology, Italy

The role of gastrointestinal transit on bioavailability of oral formulations
Henry Lin, University of New Mexico, USA

Organ-on-a-chip platforms for studying early stage drug development
Sabiruddin Mirza, LECOM, USA

Drug delivery to solid tumours
Sureshwar Pandey, The University of the West Indies, Trinidad

Biopharmaceutical study on a traditional Chinese medicine preparation Er-Zhi-Wan water honey pills
Meng Wang, Tianjin University, China

Numerical evaluation of exhalation through the nose treatment for eosinophilic chronic rhinosinusitis using computational fluid dynamics
Takahisa Yamamoto, National Institute of Technology, Gifu College, Japan

Polyethyleneimine-simvastatin nanoparticles loaded PANi/chitosan-gelatin scaffolds as drug delivery for osteogenesis
Kwunchit Oungbho, Prince of Songkla University, Thailand

Brain targeted nanotherapeutics: an enticing journey from ideation to product realization
Vandana B. Patravale, Institute of Chemical Technology, India

5-Tiered (pre-) formulation approach to support toxicology studies
Marc Du Jardin, Universiteit Antwerpen, Belgium

Application of 3D multiple cells model to mimic physiological environment to study cancer development, metastasis and drug screening
Jackie Yuen Lam Pon, The University of Hong Kong, Hong Kong

Poly (vinyl pyrrolidone) Nanofibers as Drug Delivery of Sildenafil Citrate
Luis Jesús Villarreal-Gómez, Escuela de Ciencias de la Ingeniería y Tecnología, Brazil

Porous biodegradable particles for efficient transfollicular drug delivery
Yulia Svenskaya, Saratov State University, Russia

Biomedicinal and pharmacotherapeutic potentials of African medicinal plants in terms of diabetes: An update
Shahidul Islam, University of KwaZulu-Natal, South Africa

Population pharmacokinetics and pharmacodynamic modeling of carbapenem in critically ill patients with severe sepsis and septic shock: Meropenem study model to optimize dosage regimens
Sutep Jaruratanasirikul, Prince of Songkla University, Thailand
TPGS-coated liposomes loaded with Melphalan and Vitamin-E: An approach to improve in vivo stability and bioavailability

John Disouza, Tatyasaheb Kore College of Pharmacy, India

Speaker Slots Available