

10<sup>th</sup> International Conference & Exhibition on  
**Pharmaceutics & Novel Drug  
Delivery Systems**

March 13-15, 2017  
London, UK

Venue:  
Doubletree by Hilton Hotel London Ealing  
2-8 Hanger Lane, Ealing, W5 3HN  
United Kingdom



Endorsed by



Hosting Organizations

UK: Conference Series llc LTD

47 Churchfield Road, London, W3 6AY; Tel: +1-800-216-6499

Email: [pharmaceutica@conferenceseries.net](mailto:pharmaceutica@conferenceseries.net); [pharmaceutica@pharmaceuticalconferences.org](mailto:pharmaceutica@pharmaceuticalconferences.org)

## Byron Suite

## Opening Ceremony

## Keynote Forum

## Introduction

Title: What properties should nanopreparations possess to become effective anticancer medicines?

**Vladimir Torchilin**, Northeastern University, USA

Title: Oral delivery of biologics- back to the roots

**Andreas Bernkop-Schnürch**, University of Innsbruck, Austria

## Group Photo

## Networking and Refreshments

Title: Quantifying the effectiveness of drug delivery systems *in vivo*

**Steve Hood**, GlaxoSmithKline (GSK), UK

Title: Computational discovery and experimental confirmation of TLR9 receptor antagonist leads

**Amiram Goldblum**, The Hebrew University of Jerusalem, Israel

## Sessions:

Smart Drug Delivery Systems | Vaccine Drug Delivery Systems | Routes of Drug Delivery

Session Chair: **Vladimir Torchilin**, Northeastern University, USA

Session Chair: **Andreas Bernkop-Schnürch**, University of Innsbruck, Austria

Title: Microneedle: The future of pharmaceutical and cosmeceutical delivery systems

**Hyungil Jung**, Yonsei University, Republic of Korea

Title: Solid drug nanoparticles as oral and long acting parenteral drug delivery for infectious diseases

**Steve Rannard**, University of Liverpool, UK

## Lunch Break

Title: Polymeric nanoparticles for therapeutic siRNA delivery: Analysis of tissue-penetration and biological activities in tumor tissue slice cultures and *in vivo* xenograft models

**Achim Aigner**, Leipzig University, Germany

Title: Drug delivery across skin barrier: Investigation on different biocompatible thermoresponsive soft nanocarriers

**Fiorenza Rancan**, Charité Medical University of Berlin, Germany

Title: Investigation on nano-sized drug delivery systems for ocular application

**Patrizia Chetoni**, University of Pisa, Italy

Title: Application of simultaneous dissolution-absorption apparatus for screening formulations before bioequivalence studies

**Balint Sinko**, Pion Inc., USA

Title: Tumour regression after intravenous administration of novel tumour-targeted nanomedicines

**Christine Dufès**, University of Strathclyde, UK

## Networking and Refreshments

## Sessions:

Nanotechnology in Drug Delivery | Pharmaceutical Nanotechnology | Biomaterials in Drug Delivery

Session Chair: **Vladimir Torchilin**, Northeastern University, USA

Session Chair: **Amiram Goldblum**, The Hebrew University of Jerusalem, Israel

Title: Biomaterials: A pathway to overcome biomembranes

**Flavia Laffleur**, University of Innsbruck, Austria

Title: Nanoprecipitation for delivery of Insulin

**António José Ribeiro**, University of Coimbra, Portugal

Title: Metronomic treatment of breast cancer with Doxorubicin-loaded ferritin nanocages prevents chemoresistance and cardiotoxicity in comparison to liposomal Doxorubicin

**Serena Mazzucchelli**, University of Milan, Italy

Title: An early developmental vertebrate model to assess nanomaterial safety

**Victoria Sherwood**, University of Dundee, UK

Title: Polymeric nanofibers for controlled release in hernia repair

**Dimitrios A Lamprou**, University of Kent, UK

Title: Multi-component orchestrated delivery modules for personalized healthcare using SLA 3D printing

**Reno A L Leon**, Structo Pte. Ltd., Singapore

## Panel Discussion

## Day 1 Concludes

## Day 2 | March 14, 2017 | Tuesday

## Byron Suite

## Keynote Forum

Title: Overcoming cellular barriers for drug delivery: Opening endocytic gates and pathways for intracellular targeting

**Arwyn T Jones**, Cardiff University, UK

Title: Age related sight loss: Novel drug delivery strategies to the anterior and posterior segments of the eye

**Raid Alany**, Kingston University, UK

Networking and Refreshments

Title: Lipid-based pharmaceutical formulations for patient-centric product development

**Sharareh Salar-Behzadi**, Research Center Pharmaceutical Engineering GmbH, Austria

Title: Bacterial nanocellulose as controlled drug delivery system in skin applications

**Dagmar Fischer**, Friedrich-Schiller University, Germany

Sessions:

Peptides and Protein Drug Delivery | Drug Targeting and Design | Nanoparticulate Drug Delivery Systems

Session Chair: **Raid Alany**, Kingston University, UK

Session Chair: **Arwyn T Jones**, Cardiff University, UK

Title: Nanoparticles-in-vaginal films for combined delivery of anti-HIV microbicide drugs

**Bruno Sarmento**, University of Porto, Portugal

Title: Dry powder inhalation of Pneumococcal protein-based nanocarrier vaccine

**Imran Saleem**, Liverpool John Moores University, UK

Lunch Break

Title: Targeting active bowel inflammation foci by MAdCAM-1-specific nanoparticles

**Marta Truffi**, University of Milan, Italy

Title: Formulation of Inhaled phytochemicals

**Satyanarayana Somavarapu**, UCL School of Pharmacy, UK

Title: Carbon nanotubes uptake in brain after intravenous injection in mice

**Khuloud Al Jamal**, King's College London, UK

Title: Metrology in pharmaceutical manufacturing

**Dimitrios A Lamprou**, University of Kent, UK

Title: Targeted drug delivery to enhance cancer therapy and reduce its side effects

**Wafa T Al-Jamal**, University of East Anglia, UK

Title: PLGA nanoparticles entrapping Amikacin and Moxifloxacin as a potential host-directed agent therapy for multidrug resistant tuberculosis

**Sharif Abdelghany**, University of Jordan, Jordan

Networking and Refreshments

Parallel Sessions

Poster Presentations

Exhibitions/Networking/B2B Meetings

Poster Judges: **Raid Alany**, Kingston University, UK

**Imran Saleem**, Liverpool John Moores University, UK

**Khuloud Al Jamal**, King's College London, UK

- |         |   |
|---------|---|
| PNDDS01 | Title: Chonylation™ – A new drug delivery technology for improving the therapeutic efficacy of proteins and peptides utilizing naturally-occurring sugar polymer “chondroitin (CH)” as an alternative to polyethylene glycol (PEG)<br><b>Yoshihiro TAKATSU</b> , Seikagaku Corporation, Japan |
| PNDDS02 | Title: Solvent-free lipophilic novel drug delivery system via dissolving microneedles<br><b>Shayan F Lahiji</b> , Yonsei University, Republic of Korea  |
| PNDDS03 | Title: Novel therapeutic approaches of sulphated glycan isolated from marine organism (whelk) on multiple cancer cell lines including TNBC and characterization of unique biological activity of the extracted compounds on malaria<br><b>Chrow Khurshid</b> , University of Salford, UK      |
| PNDDS04 | Title: Investigations into the impact of oleic acid purity on human skin penetration by Terbinafine hydrochloride using Maldi-MS imaging<br><b>Stephen Rumbelow</b> , Croda Inc., USA   |
| PNDDS05 | Title: Developing novel biased ligands of protease-activated receptor 2 in colorectal cancer cells<br><b>Yuhong Jiang</b> , University of Queensland, Australia   |
| PNDDS06 | Title: Steroid-harboring nanoparticles provide anti-inflammatory response with less adverse effects<br><b>Krisztian Kvell</b> , University of Pecs, Hungary   |
| PNDDS07 | Title: Transcutaneous immunization via rapidly dissolvable microneedles protects against hand-foot-and-mouth disease caused by enterovirus 71<br><b>Zhuangzhi Zhu</b> , China State Institute of Pharmaceutical Industry, China   |
| PNDDS08 | Title: Preparation and evaluation of Emamectin Benzoate solid microemulsion<br><b>Bo Cui</b> , Chinese Academy of Agricultural Sciences, China  |
| PNDDS09 | Title: Resistance monitoring to beta-Cypermethrin in spiraling whitefly<br><b>Changjiao Sun</b> , Chinese Academy of Agricultural Sciences, China   |
| PNDDS10 | Title: Agrochemical smart nano-delivery systems for improved efficiency and safety<br><b>Yan Wang</b> , Chinese Academy of Agricultural Sciences, China   |
| PNDDS11 | Title: Morphology, structure and function characterization of pei modified magnetic nanoparticles gene delivery system<br><b>Xiang Zhao</b> , Chinese Academy of Agricultural Sciences, China   |
| PNDDS12 | Title: Bioresorbable structures loaded with ginger and hot pepper extracts as possible application in some cardiovascular diseases<br><b>Melania Florina Munteanu</b> , Vasile Goldis Western University Arad, Romania  |

- PNDDS13 Title: Modified release studies of the new antitubercular compound, 1,1'-[4,4'-(tricyclo[3.3.1.1.3,7]decane-2,2-diyl)]bis(phenoxyethyl)dipyrrolidine, bis-hydrochloride from solid pharmaceutical formulations  
**Angeliki Siamidi**, National and Kapodistrian University of Athens, Greece
- PNDDS14 Title: Ultrasound-assisted compression of Paracetamol  
**Abdolati Alwati**, University of Bradford, UK
- PNDDS15 Title: An anti-colitic mutual colon-specific prodrug of 5-aminosalicylic acid : Procainamide conjugated to 5-aminosalicylic acid via an azo bond  
**Wooseong Kim**, Pusan National University, Republic of Korea
- PNDDS16 Title: Colon-specific Celecoxib delivery: a potential strategy for repositioning the selective COX-2 inhibitor as an anti-colitic agent  
**Seongkeun Jeong**, Pusan National University, Republic of Korea
- PNDDS17 Title: Conjugation of with Dextran is a potential strategy to control colonic distribution of the drugs susceptible to metabolism by colonic microbes  
**Dohoon Kim**, Pusan National University, Republic of Korea
- PNDDS18 Title: An anti-colitic mutual colon-specific prodrug of 5-aminosalicylic acid I: Procainamide conjugated to 5-aminosalicylic acid via an azo bond  
**Yejin Yang**, Pusan National University, Republic of Korea
- PNDDS19 Title: Poly (ethylene glycol) bisphosphonate nanoparticles for diagnosis and therapy of primary and metastatic bone cancer  
**Igor Grinberg**, Bar-Ilan University, Israel
- PNDDS20 Title: Targeting liposomal Doxorubicin to tumour tissues using a novel peptide  
**Mohammed Aldughaim**, The University of Sheffield, UK
- PNDDS21 Title: Organogel nanoparticles as delivery system for lipophilic drugs  
**Sophie Franceschi**, Université Paul Sabatier, France
- PNDDS22 Title: Dynamic Vapour Sorption – A versatile technique for pharmaceutical materials characterization  
**Nachal Devi Subramanian**, Surface Measurement Systems Ltd., UK
- PNDDS23 Title: Enhancement of dissolution of Atorvastatin through preparation of solid dispersions using supercritical fluid technology  
**Rana Obaidat**, Jordan University of Science and Technology, Jordan
- PNDDS24 Title: Exploitation of hydrazone bond to deliver Doxorubicin  
**Azzurra Agostini**, Polytechnic University of Milan, Italy
- PNDDS25 Title: Fluorescent polymer nanoparticles loaded with a metal organic drug mimic molecule to study the biodistribution *in vivo* of both the carrier and the active principle via a combination of fluorimetry and ICP-MS  
**Mattia Sponchioni**, Polytechnic University of Milan, Italy
- PNDDS26 Title: Innovative strategies for enhancing topical drug delivery  
**Renata F V Lopez**, University of São Paulo, Brazil
- PNDDS27 Title: Evaluation of co-processed excipients for Ezetimibe liquisolid formulation  
**Mai Khanfar**, Jordan University of Science and Technology, Jordan
- PNDDS28 Title: Development and validation of high performance liquid chromatography method for Atorvastatin calcium in pharmaceutical dosage forms  
**Mine Diril**, Ege University, Turkey
- PNDDS29 Title: Development and evaluation of Self-Emulsifying Drug Delivery System (SEDDS) pellet for Atorvastatin calcium  
**Mine Diril**, Ege University, Turkey
- PNDDS30 Title: Development and evaluation of self microemulsion drug delivery system for Atorvastatin calcium  
**Mine Diril**, Ege University, Turkey
- PNDDS31 Title: Determination of critical micelle concentration of lipid based systems with Cisplatin  
**Irfan Akartas**, Ege University, Turkey
- PNDDS32 Title: Development and validation of a simple and sensitive HPLC assay method for determination of Cisplatin  
**Irfan Akartas**, Ege University, Turkey
- PNDDS33 Title: Development and characterization of self microemulsified drug delivery systems for Cisplatin  
**Irfan Akartas**, Ege University, Turkey
- PNDDS34 Title: Novel self-assembled liquid crystalline nanoparticles for transdermal delivery of Progesterone: Development, quality by design, *in-vitro* optimization and *ex-vivo* permeation studies  
**Salma M Mohyeldin**, Alexandria University, Egypt
- PNDDS35 Title: Optimization of quercetin Oil-in-Water (O/W) nanoemulsion aerosols for pulmonary delivery  
**Mohd Basyaruddin Abdul Rahman**, Universiti Putra Malaysia, Malaysia
- PNDDS36 Title: Synthesis of Star copolymers of pyridine-hyperbranched polyglycidol (Py-HPG) core with multiarms of poly( $\epsilon$ -caprolactone)-block-hyperbranched polyglycidol PCL-HPG for drug delivery system  
**Alaa Kadhim**, Sheffield University, UK

Group Photo (Poster Presentations)

Day 2 Concludes

Day 3 | March 15, 2017 | Wednesday

Springfield

Keynote Forum

Title: *In-situ* forming gel devices as local depot therapeutic for rheumatoid arthritis

**Olivia Merkel**, Ludwig-Maximilians-Universität München, Germany

#### Sessions:

Nanotechnology in Drug Delivery | Pharmaceutical Nanotechnology | Biomaterials in Drug Delivery

Session Chair: **Olivia Merkel**, Ludwig-Maximilians-Universität München, Germany

Session Chair: **Imran Saleem**, Liverpool John Moores University, UK

Title: Nanoparticles for oral delivery of Insulin: Facts and safety concerns

**António José Ribeiro**, University of Coimbra, Portugal

Title: Therapeutic potential against metastatic melanoma of a copper-based aquaporin inhibitor nanoformulated

**Maria Manuela Gasper**, University of Lisboa, Portugal

Title: Cm-p5: An antifungal mollusc-derived peptide conjugated with citric acid-modified manganese-ferrite nanoparticles with enhanced activity against *Candida albicans in vitro*

**Anselmo J Otero-Gonzalez**, Havana University, Cuba

#### Networking and Refreshments

Title: Asenapine Maleate loaded solid lipid nanoparticles for oral delivery

**Pranav Shah**, Uka Tarsadia University, India

Title: Thiolated pectin containing hydrogels for controlled drug delivery of Citrizine hydrochloride with its *in-vitro* studies

**Muhammad Hanif**, Bahauddin Zakariya University, Pakistan

Title: A novel Doxorubicin loaded folic acid conjugated PAMAM modified with borneol, a nature dual-functional product to reducing PAMAM toxicity and boosting BBB penetration

**Fanzhu Li**, Zhejiang Chinese Medical University, China

Title: Hypoxia-responsive methoxy poly (ethylene glycol)-block-poly (glutamic acid)-graft-6-(2-nitroimidazole) hexyl amine nanoparticles for Doxorubicin drug delivery

**Zaheer Ahmad**, Chinese Academy of Sciences, China

#### Young Researchers Forum

Title: Transparent Ciprofloxacin-polyvinylpyrrolidone antibiotic films and nanofiber mats as potential skin and wound care dressings

**Marco Contardi**, Italian Institute of Technology, Italy

Title: Development of cationic Ag<sub>2</sub>S NIR emitting QD's as new generation of theranostic nanoparticles

**Fatma Demir Duman**, Koc University, Turkey

#### Final Day Group Photo

#### Lunch Break

#### Award Ceremony

#### Conference Concludes

## Bookmark your dates

16<sup>th</sup> International Conference & Exhibition on

# Pharmaceutics & Novel Drug Delivery Systems

March 19-21, 2018 Berlin, Germany

E-mail: [pharmaceutica@conferenceseries.net](mailto:pharmaceutica@conferenceseries.net); [pharmaceutica@pharmaceuticalconferences.org](mailto:pharmaceutica@pharmaceuticalconferences.org)

Website: <http://novel-drugdelivery-systems.pharmaceuticalconferences.com/>

