10th 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
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Email: pharmaceutica@conferenceseries.net; pharmaceutica@pharmaceuticalconferences.org
### 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

#### 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:** 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

#### 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

#### Lunch Break

**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

### 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

**Byron Suite**

### 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

**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**  
  - 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

**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

**Poster Presentations**

**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)  
_Yoshihiro TAKATSU_, Seikagaku Corporation, Japan

**PNDDS02**  
**Title:** Solvent-free lipophilic novel drug delivery system via dissolving microneedles  
_Shayan F Lahiji_, 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  
_Chow Khurshid_, 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  
_Stephen Rumbelow_, Croda Inc., USA

**PNDDS05**  
**Title:** Developing novel biased ligands of protease-activated receptor 2 in colorectal cancer cells  
_Yuhong Jiang_, University of Queensland, Australia

**PNDDS06**  
**Title:** Steroid-harboring nanoparticles provide anti-inflammatory response with less adverse effects  
_Krissztian Kvell_, University of Pecs, Hungary

**PNDDS07**  
**Title:** Transcutaneous immunization via rapidly dissolvable microneedles protects against hand-foot-and-mouth disease caused by enterovirus 71  
_Zhuangzhi Zhu_, China State Institute of Pharmaceutical Industry, China

**PNDDS08**  
**Title:** Preparation and evaluation of Emamectin Benzoate solid microemulsion  
_Bo Cui_, Chinese Academy of Agricultural Sciences, China

**PNDDS09**  
**Title:** Resistance monitoring to beta-Cypermethrin in spiraling whiteny  
_Changjiao Sun_, Chinese Academy of Agricultural Sciences, China

**PNDDS10**  
**Title:** Agrochemical smart nano-delivery systems for improved efficiency and safety  
_Yan Wang_, Chinese Academy of Agricultural Sciences, China

**PNDDS11**  
**Title:** Morphology, structure and function characterization of pei modified magnetic nanoparticles gene delivery system  
_Xiang Zhao_, Chinese Academy of Agricultural Sciences, China

**PNDDS12**  
**Title:** Bioresorbable structures loaded with ginger and hot pepper extracts as possible application in some cardiovascular diseases  
_Melania Florina Munteanu_, Vasile Goldis Western University Arad, Romania
Title: Modified release studies of the new antitubercular compound, 1,1’-[4,4’-[tricyclo[3.3.1.13,7]decane-2,2-diyl]bis(phenoxyethyl]dipyrrolidine, bis-hydrochloride from solid pharmaceutical formulations
Angeliki Siamidi, National and Kapodistrian University of Athens, Greece

Title: Ultrasound-assisted compression of Paracetamol
Abdolati Alwati, University of Bradford, UK

Title: An anti-colitic mutual colon-specific prodrug of 5-aminosalicylic acid : Procaaminide conjugated to 5-aminosalicylic acid via an azo bond
Woongseong Kim, Pusan National University, Republic of Korea

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

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

Title: An anti-colitic mutual colon-specific prodrug of 5-aminosalicylic acid I: Procaaminide conjugated to 5-aminosalicylic acid via an azo bond
Yejin Yang, Pusan National University, Republic of Korea

Title: Poly (ethylene glycol) bisphosphonate nanoparticles for diagnosis and therapy of primary and metastatic bone cancer
Igor Grinberg, Bar-Ilan University, Israel

Title: Targeting liposomal Doxorubicin to tumour tissues using a novel peptide
Mohammed Aldughaim, The University of Sheffield, UK

Title: Organogel nanoparticles as delivery system for lipophilic drugs
Sophie Franceschi, Université Paul Sabatier, France

Title: Dynamic Vapour Sorption – A versatile technique for pharmaceutical materials characterization
Nachal Devi Subramanian, Surface Measurement Systems Ltd., UK

Title: Enhancement of dissolution of Atorvastatin through preparation of solid dispersions using supercritical fluid technology
Rana Obaidat, Jordan University of Science and Technology, Jordan

Title: Exploitation of hydrazone bond to deliver Doxorubicin
Azzurra Agostini, Polytechnic University of Milan, Italy

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

Title: Innovative strategies for enhancing topical drug delivery
Renata F V Lopez, University of São Paulo, Brazil

Title: Evaluation of co-processed excipients for Ezetimibe liquidsolid formulation
Mai Khanfar, Jordan University of Science and Technology, Jordan

Title: Development and validation of high performance liquid chromatography method for Atorvastatin calcium in pharmaceutical dosage forms
Mine Diril, Ege University, Turkey

Title: Development and evaluation of Self-Emulsifying Drug Delivery System (SEDDS) pellet for Atorvastatin calcium
Mine Diril, Ege University, Turkey

Title: Development and evaluation of self microemulsion drug delivery system for Atorvastatin calcium
Mine Diril, Ege University, Turkey

Title: Determination of critical micelle concentration of lipid based systems with Cisplatin
Irfan Akartas, Ege University, Turkey

Title: Development and validation of a simple and sensitive HPLC assay method for determination of Cisplatin
Irfan Akartas, Ege University, Turkey

Title: Development and characterization of self microemulsified drug delivery systems for Cisplatin
Irfan Akartas, Ege University, Turkey

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

Title: Optimization of quercetin Oil-in-Water (O/W) nanoemulsion aerosols for pulmonary delivery
Mohd Basyaruddin Abdul Rahman, Universiti Putra Malaysia, Malaysia

Title: Synthesis of Star copolymers of pyridine-hyperbranched polyglycodiol (Py-HPG) core with multiarms of poly(e-caprolactone)-block-hyperbranched polyglycodiol 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 rheumatoide 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$_2$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

16th International Conference & Exhibition on
Pharmaceutics & Novel Drug Delivery Systems

March 19-21, 2018   Berlin, Germany

E-mail: pharmaceutica@conferenceseries.net; pharmaceutica@pharmaceuticalconferences.org
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