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

Exhibitors

Hosting Organizations
Day 1 | March 13, 2017 | Monday

Byron Suite

08:00-09:00 Registrations

09:00-09:25 Opening Ceremony

Keynote Forum

09:25-09:30 Introduction

09:30-10:10 Title: What properties should nanopreparations possess to become effective anticancer medicines?
Vladimir Torchilin, Northeastern University, USA

10:10-10:50 Title: Oral delivery of biologics - back to the roots
Andreas Bernkop-Schnürch, University of Innsbruck, Austria

Group Photo

Networkung and Refreshments 10:50-11:10 @ Foyer

11:10-11:50 Title: Quantifying the effectiveness of drug delivery systems in vivo
Steve Hood, GlaxoSmithKline (GSK), UK

11:50-12:30 Title: New drug candidates for liposomal delivery identified by computer modeling of liposomes' remote loading and leakage
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

12:30-12:50 Title: Microneedle: The future of pharmaceutical and cosmeceutical delivery systems
Hyungil Jung, Yonsei University, Republic of Korea

12:50-13:10 Title: Solid drug nanoparticles as oral and long acting parenteral drug delivery for infectious diseases
Steve Rannard, University of Liverpool, UK

Lunch Break 13:10-14:00 @ W5 Grill Restaurant

14:00-14:20 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

14:20-14:40 Title: Drug delivery across skin barrier: Investigation on different biocompatible thermoresponsive soft nanocarriers
Fiorenza Rancan, Charité Medical University of Berlin, Germany

14:40-15:00 Title: Investigation on nano-sized drug delivery systems for ocular application
Patrizia Chetoni, University of Pisa, Italy

15:00-15:20 Title: Application of simultaneous dissolution-absorption apparatus for screening formulations before bioequivalence studies
Balint Sinko, Pion Inc., USA

15:20-15:40 Title: Tumour regression after intravenous administration of novel tumour-targeted nanomedicines
Christine Dufès, University of Strathclyde, UK

Networking and Refreshments 15:40-16:00 @ Foyer

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

16:00-16:20 Title: Biomaterials: A pathway to overcome biomembranes
Flavia Laffleur, University of Innsbruck, Austria

16:20-16:40 Title: Nanoprecipitation for delivery of Insulin
António José Ribeiro, University of Coimbra, Portugal

16:40-17:00 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

17:00-17:20 Title: An early developmental vertebrate model to assess nanomaterial safety
Victoria Sherwood, University of Dundee, UK

17:20-17:40 Title: Polymeric nanofibers for controlled release in hernia repair
Dimitrios A Lamprou, University of Kent, UK

17:40-18:00 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
### Keynote Forum

**09:30-10:10**
Title: Overcoming cellular barriers for drug delivery: Opening endocytic gates and pathways for intracellular targeting

*Arwyn T Jones,* Cardiff University, UK

**10:10-10:50**
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 10:50-11:10 @ Foyer

**11:10-11:50**
Title: Lipid-based pharmaceutical formulations for patient-centric product development

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

**11:50-12:30**
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

**12:30-12:50**
Title: Nanoparticles-in-vaginal films for combined delivery of anti-HIV microbicide drugs

*Bruno Sarmento,* University of Porto, Portugal

**12:50-13:10**
Title: Dry powder inhalation of Pneumococcal protein-based nanocarrier vaccine

*Imran Saleem,* Liverpool John Moores University, UK

### Lunch Break 13:10-14:00 @ W5 Grill Restaurant

**14:00-14:20**
Title: Targeting active bowel inflammation foci by MadCAM-1-specific nanoparticles

*Marta Truffi,* University of Milan, Italy

**14:20-14:40**
Title: Formulation of Inhaled phytochemicals

*Satyanarayana Somavarapu,* UCL School of Pharmacy, UK

**14:40-15:00**
Title: Carbon nanotubes uptake in brain after intravenous injection in mice

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

**15:00-15:20**
Title: Metrology in pharmaceutical manufacturing

*Dimitrios A Lamprou,* University of Kent, UK

**15:20-15:40**
Title: Targeted drug delivery to enhance cancer therapy and reduce its side effects

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

**15:40-16:00**
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 16:00-16:20 @ Foyer

**Poster Presentations @ 16:00-18:00**
**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) | *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 | *Chrow 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,* Croma 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 | *Krisztian 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 |
Title: Agrochemical smart nano-delivery systems for improved efficiency and safety  
Yan Wang, Chinese Academy of Agricultural Sciences, China

Title: Morphology, structure and function characterization of pei modified magnetic nanoparticles gene delivery system  
Xiang Zhao, Chinese Academy of Agricultural Sciences, China

Title: Biodegradable 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)pyrrolidine, 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 : Procainamide conjugated to 5-aminosalicylic acid via an azo bond  
Yeonseong 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 II: Benzocaine conjugated to dextran via a 5-aminosalicylic acid linker  
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: Innovative strategies for enhancing topical drug delivery  
Renata F V Lopez, University of São Paulo, Brazil

Title: The characterisation of Methadone hydrochloride crystals using confocal microscope with Rhodamine staining  
Noor Al-Hasani, King’s College London, UK

Group Photo (Poster Presentations)  
Day 2 Concludes

Day 3 | March 15, 2017 | Wednesday  
Springfield

Keynote Forum  
09:30-10:10 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

10:10-10:30 Title: Nanoparticles for oral delivery of Insulin: Facts and safety concerns  
António José Ribeiro, University of Coimbra, Portugal

10:30-10:50 Title: Therapeutic potential against metastatic melanoma of a copper-based aquaporin inhibitor nanoformulated  
Maria Manuela Gasper, University of Lisboa, Portugal

10:50-11:10 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 11:10-11:30 @ Foyer

11:30-11:50 Title: Asenapine Maleate loaded solid lipid nanoparticles for oral delivery  
Pranav Shah, Uka Tarsadia University, India

11:50-12:10 Title: Thiolated pectin containing hydrogels for controlled drug delivery of Citrizine hydrochloride with its in-vitro studies  
Muhammad Hanif, Bahauddin Zakariya University, Pakistan
12:10-12:30
**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:** Hyoxia-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

12:30-12:50
Young Researchers Forum

12:50-13:05
**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

13:05-13:20
Final Day Group Photo

Lunch Break 13:20-14:00 @ W5 Grill Restaurant

Award Ceremony

Conference Concludes

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**Bookmark your dates**

**16th International Conference & Exhibition on**

**Pharmaceutics & Novel Drug Delivery Systems**

**March 19-21, 2018  Berlin, Germany**

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Contact

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