scientific program

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OMICS International Conferences
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Email: pharmaceutica@pharmaceuticalconferences.com; ndds@pharmaceuticalconferences.com
Day 1  March 16, 2015

08:30-09:30  Registrations

Jumeirah Ballroom-3

09:30-10:00  Opening Ceremony

Keynote Forum

10:00-10:05  Introduction
R N Saha
BITS Pilani Dubai Campus, UAE

10:05-10:30  Polymer drug carriers with enhanced penetration into tumor cells
Robert Pola
Institute of Macromolecular Chemistry AS CR, Czech Republic

10:30-10:55  Delivery of nanoformulated Antiretroviral drugs across the blood brain barrier
Luisa Fiandra
Luigi Sacco University Hospital, Italy

Networking & Refreshments Break 10:55-11:10 Jumeirah Ballroom Foyer

11:10-11:35  Khaled Mohamed Hosny
King Abdulaziz University, Kingdom of Saudi Arabia

11:35-12:00  Peter Karpinski
Novartis Pharmaceuticals Corp., USA

Track 3: Recent Technologies in Novel Drug Delivery Systems
Track 4: Nanotechnology in Drug Delivery Systems

Session Chair: R N Saha, BITS Pilani Dubai Campus, UAE
Session Co-Chair: Luisa Fiandra, Luigi Sacco University Hospital, Italy

12:00-12:20  A novel and simple technique for separation of liposomes from unloaded drug molecules
Vignesh Muthuvijayan, Indian Institute of Technology Madras, India

12:20-12:40  Polymer drug carriers with enhanced penetration into tumor cells
Robert Pola, Institute of Macromolecular Chemistry AS CR, Czech Republic

12:40-13:00  Delivery of nanoformulated Antiretroviral drugs across the blood brain barrier
Luisa Fiandra, Luigi Sacco University Hospital, Italy

Lunch Break 13:00-13:40 @ Al Tanour Restaurant

13:40-14:00  Block copolymers of poly(N-2-hydroxypropyl methacrylamide) and poly(propylene glycol)–the way to inhibit P-glycoprotein?
Alena Braunova, Institute of Macromolecular Chemistry AS CR, Czech Republic

14:00-14:20  Early preclinical study of BO-1978 for the treatment of Non-Small Cell Lung Carcinoma (NSCLC), in combination with Gefitinib
Tann-Long Su, Academia Sinica, Taiwan

14:20-14:40  Improving bioavailability of Resveratrol: Transdermal, transmucosal and nanotechnology strategies
Hudson Caetano Polonini, University of Juiz de Fora, Brazil

14:40-15:00  Composite Poly(methyl methacrylate)/Poly(ethylene glycol) electrospun nonfibrous mats as a novel wound dressing
Luisa Fiandra, Luigi Sacco University Hospital, Italy

15:00-15:20  Silica-based matrixes for drug delivery: Ready for a prime time?
Alex Nivorozhkin, Neo-Advent Technologies LLC., USA

15:20-15:40  Formulation and evaluation of neutraceutical tablets of lyophilized nanoparticles of Zinc and Asparagus extracts
Sandeep Arora, Chitkara University, India

Networking & Refreshments Break 15:40-15:55 @ Jumeirah Ballroom Foyer

15:55-16:15  Development of ligand-mediated drug delivery systems for cancer targeted imaging and therapy
Yen-Chung Wu, Academia Sinica, Taiwan

16:15-16:35  Enteric-coated Alendronate sodium solid lipid nanoparticle: A novel formula to overcome barriers for the treatment of osteoporosis
Khaled Mohamed Hosny, King Abdulaziz University, Kingdom of Saudi Arabia

16:35-16:55  Exploring the critical stabilizing factors for solid dispersions without drug-polymer interaction: Monitoring and
Min Zhao, University College London School of Pharmacy, UK

16:55-17:15  Coping with the management of medicine at old age: What older people think? What formulations scientists can do?
Mine Orlu Gul, University College London School of Pharmacy, UK

Workshop

Controlled Drug Delivery Systems: Recent Challenges and Opportunities Ahead

17:15-17:35  Bioactive peptides: Complex structures, synthesis and their controlled drug delivery
Rajiv Dahiya, Association of Pharmacy Professionals and Globus College of Pharmacy, India

17:35-17:55  Guar gum revisited: Potential carrier for targeted drug delivery systems
Saurabh Dahiya, Apeejay Stya University, India

Panel Discussion
### Day 2  March 17, 2015

### Jumeirah Ballroom-3

#### Keynote Forum

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<tr>
<th>Time</th>
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<tr>
<td>09:30-09:55</td>
<td>Husam M Younes</td>
<td>Qatar University, Qatar</td>
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<tr>
<td>09:55-10:20</td>
<td>B B Barik</td>
<td>Jazan University, Kingdom of Saudi Arabia</td>
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#### Networking & Refreshments Break 10:20-10:35 @ Jumeirah Ballroom Foyer

#### Track 2: Formulation Aspects for Various Routes of Drug Administration

**Session Chair:** Naglaa G Ahmed, Dubai Pharmacy College, UAE

#### Track 7: Major Challenges in Drug Delivery System

**Session Chair:** B B Barik, Jazan University, Kingdom of Saudi Arabia

#### Session Introduction

- **10:35-10:55**
  - Gloveless robotic technologies in aseptic manufacturing for high potent active pharma ingredients
  - Sergio Mauri, Fedegari Group, Italy
- **10:55-11:15**
  - Oral formulations of Metformin in semi-solid matrices: Design, characterization & in vitro evaluations
  - Husam M Younes, Qatar University, Qatar
- **11:15-11:35**
  - Hepatoprotective and antihapatotoxic drugs from plant sources
  - Naglaa G Ahmed, Dubai Pharmacy College, UAE
- **11:35-11:55**
  - Small animal models of osteoarthritis: Understanding drug bio-distribution, activity, safety, therapeutic effects and mechanisms of action
  - Mohit Kapoor, University of Toronto, Canada
- **11:55-12:15**
  - Mitigating risks associated to auto-injector applications
  - Robert Schultheis, ZebraSci Inc., USA
- **12:15-12:35**
  - Chitosan nanoparticles - Challenges for antibiotic drug delivery using Penicillin as a model drug
  - B B Barik, Jazan University, Kingdom of Saudi Arabia
- **12:35-12:55**
  - Challenges facing liposomal delivery of Vancomycin for combating bacterial biofilm on abiotic surfaces
  - Nawal Khalafallah, Alexandria University, Egypt

#### Lunch Break 12:55-13:40 @ Al Tanour Restaurant

#### Track 1: Pre-formulation Considerations for Conventional Dosage Form Development

**Session Chair:** Mazzucchelli Serena, Luigi Sacco University Hospital, Italy

**Session Chair:** Maha Aboul-Ela, Beirut Arab University, Lebanon

#### Track 10: Advances in Biotherapeutics-Drug Discovery and Development

**Session Chair:** Tomas Etrych, Institute of Macromolecular Chemistry AS CR, Czech Republic

**Session Chair:** Ramesh S Kashi, Merck and Co. Inc., USA

#### Session Introduction

- **10:00-10:20**
  - Polymer based delivery systems for efficient tumor therapy
  - Tomas Etrych, Institute of Macromolecular Chemistry AS CR, Czech Republic
- **10:20-10:40**
  - Nanocages for self-triggered nuclear delivery of Doxorubicin at cancer cells
  - Mazzucchelli Serena, Luigi Sacco University Hospital, Italy
10:40-11:00
Development of novel targeted drug delivery systems for the treatment of epilepsy
Sara Ahmadi, Intelligent Polymer Research Institute, Australia

In vivo targeting efficiency of multifunctional nanoconstructs bearing antibody-derived ligands
Marta Truffi, University of Milan, Italy

11:35-11:55
Pastillation technology based design and development of oral modified release multiparticulate drug delivery system
B Mishra, Indian Institute of Technology (Banaras Hindu University), India

Incidence and predictors of antibiotic prescription errors in an emergency department of a tertiary care facility, central Saudi Arabia
Menyfah Al Anazi, Ministry of National Guard Health Affairs, Kingdom of Saudi Arabia

11:55-12:15
Characterisation of nanostructured lipid carriers loaded with Ibuprofen
Blanka Suto, University of Szeged, Hungary

Thiolated poly(aspartic acid) polymers in ophthalmic therapy
Gabriella Horvat, University of Szeged, Hungary

12:15-12:35
Microscopic evaluation of novel topical formulation for treatment of Arthritis
Mohit Bhagrath, Chitkara University, India

12:35-12:55
Controlled delivery of Metronidazole and Doxycycline from polycaprolactone matrices designed for the intravaginal treatment of pelvic inflammatory disease
Meenakshi Pathak, The University of Queensland, Australia

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Gabriella Horvat, University of Szeged, Hungary

13:15-13:35
In vitro cytotoxicity and free radical scavenging activity of ethanolic and alkaloidal extracts of Delphinium staphisagria
Rachad Alnamer, University of Thamar, Yemen

13:35-13:55
Title: Enhanced cytotoxic effect of chemically conjugated polymeric sirolimus against ht-29 colon cancer and a-549 lung cancer cell lines
Bontha Venkata Subrahmanya Lokesh, UCSI University, Malaysia

13:55-14:10
Mucus permeating SMEDDDS containing thiolated compounds
Julia Rohrer, University Innsbruck, Austria

14:10-14:25
Thiolated silicone oils as novel skin care agents with enhanced adhesiveness and reinforced occlusivity
Alexandra Partenhause, Leopold-Franzens-University, Austria

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Synthesis of Benzopyran[4,3-d]-Pyrimidine derivatives and some of their antimicrobial and cytotoxicity activities
Haya A Abubshait, University of Dammam, Kingdom of Saudi Arabia

15:55-16:10
Lipid complexed nanocrystals - A safe approach in development of stable nanoparticulates (in vitro and in vivo) for effective drug delivery
Sajeev Kumar B, Jawaharlal Nehru Technological University, India

16:10-16:25
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Networking & Refreshments Break 11:20-11:35 @ Jumeirah Ballroom Foyer

Networking & Refreshments Break 15:25-15:40 @ Jumeirah Ballroom Foyer

Panel Discussion
Award Ceremony

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