93rd OMICS Group Conference

Scientific Program

3rd International Conference and Exhibition on

Pharmaceutics & Novel Drug Delivery Systems

April 08-10, 2013 Hilton Chicago/Northbrook, USA



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OMICS Group Conferences

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Day 1 April 08, 2013

08:30-09:30 Registrations

Hickory

OMICS Group Conferences
Accelerating Scientific Discovery

09:30-09:50 **Opening Ceremony**

Keynote Forum

09:50-09:55 Introduction

09:55-10:20 **Panayiotis P Constantinides**
Biopharmaceutical & Drug Delivery Consulting, LLC, USA

10:20-10:45 **Wei-Chiang Shen**
University of Southern California, USA

Coffee Break 10:45-11:00

11:00-11:25 **Kevin J Filipski**
Pfizer Worldwide Research & Development, USA

11:25-11:50 **Giancarlo Morelli**
University of Naples, Italy

11:50-12:15 **David J Brayden**
University College Dublin, Ireland

Track 1: Recent Technologies in Novel Drug Delivery Systems
Track 3: Drug Delivery Targeting
Track 6: Nanotech for Drug Delivery
Track 8: Prodrugs and Targeted Drug Delivery

Chair: David Brayden, University College Dublin, Ireland
Co-Chair: Wei-Chiang Shen, University of Southern California, USA

Session Introduction

12:15-12:35 **Title: Neural stem cell models to studying pediatric anesthetic neurotoxicity**
Cheng Wang, USFDA, USA

12:35-12:55 **Title: Transmucosal delivery of peptides and siRNAs with a novel lipidic pharmaceutical formulation**
Patrick Maurel, Medesis Pharma, France

Group Photo

Lunch Break 12:55-13:40

13:40-14:00 **Title: Innovations in drug delivery technology: Improvements in long-term herpes treatment**
Barry Margulies, Towson University, USA

14:00-14:20 **Title: The antiangiogenic effect of dual drug loaded polymeric micelles**
Adam Alani, Oregon State University, USA

14:20-14:40 **Title: Role of epigenetics in the HIF pathway and novel therapeutic opportunities**
Mridul Mukherji, University of Missouri-Kansas City, USA

14:40-15:00 **Title: Ethicap Gel: Proprietary microencapsulation technology that facilitates solubility and bioavailability enhancement, drug combinations, controlled drug release including pulsatile delivery and multiple finished forms**
Joan FitzPatrick, Freund Pharmatec Ltd., Ireland

15:00-15:20 **Title: Recombinant fusion constructs of cell-penetrating peptides for targeted drug delivery to mildly acidic environment in solid tumors**
Jennica Zaro, University of Southern California, USA

15:20-15:40 **Title: Magnetically targeted drug delivery to stented blood vessels**
Michael Chorny, University of Pennsylvania, USA

Coffee Break 15:40-15:55

15:55-16:15 **Title: Multiple dose platforms for once daily administration of Cipofloxacin or Verapamil**
Jason T McConville, University of New Mexico, USA

16:15-16:35	**Title: Antibody-functionalized nanoparticles for targeted delivery to lung cancer** **Sunday A Shoyele**, Thomas Jefferson University, USA
16:35-16:55	**Title: Dendron-based micelles: A potential nanocarrier platform** **Seungpyo Hong**, University of Illinois, USA
16:55-17:15	**Title: Space-Time AFM monitoring of the formation and dissociation of genetic nanoparticles** **Hosam Abdelhady**, Taibah University, Saudi Arabia
17:15-17:35	**Title: Design of low-molecular-weight prodrugs for targeted delivery of anticancer agents** **Shengquan Liu**, Touro University-California, USA
17:35-17:55	**Title: Design, formulation and evaluation of self nano emulsifying drug delivery system for Nisoldipine** **Balakumar K**, PSG College of Pharmacy, India
	Panel Discussions
18:00-19:00	Cocktails Sponsored by **Pharmaceutica Analytica Acta** **@ Almond**

Day 2 April 09, 2013

08:00-09:00 Registrations

B2B Meetings @ Almond 10:00-12:00

Hickory

Track 7: Personalized Medicine
Track 10: Drug Delivery Systems and Drug Formulations for Cancer

Chair: Imran Ahmad, Jina Pharmaceuticals Inc., USA

Session Introduction

09:00-09:20	**Title: Application of 3D-QSDAR for modeling of various biological and toxicity endpoints** **Richard Beger**, US Food and Drug Administration, USA
09:20-09:40	**Title: Micelle-encapsulated Thiostrepton is an effective nanomedicine for inhibiting tumor growth** **Andrei L Gartel**, University of Illinois, USA
09:40-10:00	**Title: Lipid based sterically stabilized micelles as effective drug carriers for cancer and inflammatory diseases** **Hayat Onyuksel**, University of Illinois, USA
10:00-10:20	**Title: Polymer films for the locoregional delivery of anticancer drugs in lung tumors** **Fabio Sonvico**, University of Technology Sydney, Australia
10:20-10:40	**Title: Combination of Dirhenium cluster compounds and Cisplatin in cancer** **Nataliia I Shtemenko**, Oles Gonchar Dnipropetrovsak National University, Ukraine
	Coffee Break 10:40-10:55
10:55-11:15	**Title: Novel polymer system for controlled delivery of chemotherapeutics to improve patient outcomes** **Jason Olbrich**, Poly-Med Inc., USA
11:15-11:35	**Title: Formulation and evaluation of Ketorolac tromethamine floating *in situ* gelling system** **Prabhakar Reddy Veerareddy**, Chaitanya College of Pharmacy, India
11:35-11:55	**Title: Study on brain targeting Zidovudine loaded PLGA nanoparticles for AIDS therapy** **C Vijaya Raghavan**, PSG College of Pharmacy, India
11:55-12:15	**Title: Optimized DZNep exposure presensitizes pancreatic cancer cells to anticancer nucleoside analogs: Utilization of novel drug delivery** **Rajgopal Govindarajan**, University of Georgia, USA
12:15-12:35	**Title: Innovative bimodal porous silica for solubility enhancement of low soluble drugs** **Steffen Denzinger**, Merck KGaA, Germany
	Lunch Break 12:35-13:20

Track 9: Novel Advances in Drug Delivery to Brain
Track 11: Pharmacokinetic Considerations of Drug Delivery

Chair: Steffen Denzinger, Merck KGaA, Germany

13:20-13:40	**Title: Rx of Cancer using novel delivery system for taxanes - Clinical experience** **Imran Ahmad**, Jina Pharmaceuticals Inc., USA
13:40-14:00	**Title: Pharmacokinetic/Pharmacodynamic (PK/PD) modeling of anti-neoplastic agents** **Ayman M Noreddin**, Hampton University, USA
14:00-14:20	**Title: Comparative study of data generated by structural annotation of the genome for identifying the unique parameter responsible for pathogenic property of *Helicobacter pylori*** **Hetalkumar Panchal**, Sardar Patel University, India
14:20-14:40	**Title: Syringeability and injectability of abuse-detergent dosage forms** **David Mastropietro**, Nova Southeastern University, USA

14:40-15:00	**Title: Improvement of anti-tumor responses by DC-Sign mediated antigentargeting using glycan modified liposomes: A potential anticancer vaccine** **Medha D Joshi,** Midwestern University, USA
15:00-15:20	**Title: Fabrication of Diclofenac sustained release tablets using microencapsulation-coacervation technique: Release characterization and *in-vivo* evaluation** **Mahmood Ahmad,** The Islamia University of Bahawalpur-Punjab, Pakistan
	Coffee Break 15:20-15:35
15:35-15:55	**Title: Transport model for drug release from delivery vectors accounting for chemical and microstructure properties** **Arturas Ziemys,** The Methodist Hospital Research Institute, USA
15:55-16:15	**Title: *In silico* analysis of different *Helicobacter pylori* strains and its proteins responsible for gastro-intestinal tract diseases in human** **Megha Vaidya,** Sardar Patel University, India
16:15-16:35	**Title: Engineering drug nanocarriers for delivery of chemotherapeutic drugs** **Rahul Misra,** Indian Institute of Technology, India
16:35-18:00	**Poster Presentations** **@ Birch**
18:00-19:00	Cocktails Sponsored by **Journal of Pharmaceutics & Drug Delivery Research** **@ Almond**

Day 3 April 10, 2013

Hickory

Track 2: Routes of Drug Administration
Track 4: Biopharmaceuticals
Track 5: Current Issues of Pharmaceutics in Global Market
Track 12: Management of QA/QC in Pharmaceutical Industry

Session Introduction

09:00-09:20	**Title: Nanotechnology in advanced drug delivery** **Prabhakar Reddy Veerareddy,** Chaitanya College of Pharmacy, India
09:20-09:40	**Title: Designing of magnetic nanoparticle based diagnositic kit for ultrasensitive detection of enteric fever: Evanescent-wave optical illumination studies** **Mohita Upadhyaya,** Indian Institute of Technology, India
09:40-10:00	**Title: Cytotoxicity & kinetic studies of cancer cell lines through Methotrexate nanoparticles: Comparative analysis with direct drug** **Rahul Misra,** Indian Institute of Technology, India
	Coffee Break 10:00-10:15
10:15-10:35	**Title: Performance evaluation of abuse-deterrent dosage forms to mechanical manipulation** **David Mastropietro,** Nova Southeastern University, USA
10:35-10:55	**Title: Pharmaceutical price controls and entry strategies** **Andrews Abaitey,** Vine Medics, Ghana
10:55-11:15	**Title: Development and characterization of Terbutaline sulphate microsponge and its colonic delivery by compression coated tablets** **Biswajit Basu,** Atmiya Institute of Pharmacy, India

Award Ceremony

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OMICS Group Conferences
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4th International Conference and Exhibition on
Pharmaceutics & Novel Drug Delivery Systems
March 03-05, 2014 San Antonio, USA

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