Tentative Program

14th International Conference and Exhibition on
Pharmaceutical Formulations
August 28-29, 2017 Brussels, Belgium

Interactive Sessions  Keynote Lectures  Plenary Lectures  Workshops
Exhibitors  B2B Meetings

***For available speaker slots***
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http://formulation.pharmaceuticalconferences.com/
# Program at a Glance

## Day 1

<table>
<thead>
<tr>
<th>Time</th>
<th>General Session</th>
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<tbody>
<tr>
<td>08.00-09.00</td>
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<tr>
<td>09.00-09.15</td>
<td></td>
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<tr>
<td>09.15-09.45</td>
<td>Inaugural Address</td>
</tr>
<tr>
<td>09.45-10.15</td>
<td>Keynote/Plenary Talk 1</td>
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<td>10.15-10.45</td>
<td>Keynote/Plenary Talk 2</td>
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<td></td>
<td>Keynote/Plenary Talk 3</td>
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</tbody>
</table>

### Morning Sessions

#### Least of 3 Keynote/Plenary Talks

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09.15-09.45</td>
<td>5 Speakers (20 Mins Each)</td>
</tr>
<tr>
<td>09.45-10.15</td>
<td>5 Speakers (20 Mins Each)</td>
</tr>
<tr>
<td>10.15-10.45</td>
<td>5 Speakers (20 Mins Each)</td>
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</tbody>
</table>

#### Coffee/Tea Break

- 10.45-11.00 (Networking)
- 11.00-12.40
- 12.40-13.30
- 13.30-15.30
- 15.30-15.45 (Networking)
- 15.45-17.25

### Evening Sessions

#### Panel Discussions/Group Photo

- 11.00-12.40
- 15.05-15.20 (Networking)
- 13.25-15.05

#### Lunch Break

- 10.45-11.00 (Networking)
- 12.35-13.25
- 15.30-15.45 (Networking)

### Program at a Glance

**Day 2**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1</th>
<th>Session 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.00-10.40</td>
<td>5 Speakers (20 Mins Each)</td>
<td>5 Speakers (20 Mins Each)</td>
</tr>
<tr>
<td>10.55-12.35</td>
<td>5 Speakers (20 Mins Each)</td>
<td>5 Speakers (20 Mins Each)</td>
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<tr>
<td></td>
<td>Coffee/Tea Break 10.40-10.55 (Networking)</td>
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<tr>
<td></td>
<td>Lunch Break 12.35-13.25</td>
<td></td>
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<tr>
<td>13.25-15.05</td>
<td>5 Speakers (20 Mins Each)</td>
<td>5 Speakers (20 Mins Each)</td>
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<tr>
<td></td>
<td>Poster Sessions</td>
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<tr>
<td>15.20-17.00</td>
<td>5 Speakers (20 Mins Each)</td>
<td>5 Speakers (20 Mins Each)</td>
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<tr>
<td></td>
<td>Coffee/Tea Break 15.05-15.20 (Networking)</td>
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<tr>
<td></td>
<td>Closing Ceremony</td>
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</tbody>
</table>

**Note:** Program Schedule is subject to change with final allotment of the speaker slots

**formulations@pharmaceuticalconferences.org**

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**Note:** Workshops and Symposia slots are available. To book slot for Workshop and Symposium send us

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Conference Highlights

- Pharmaceutical Formulations
- Solid Dosage Forms
- Semi-Solid Dosage Forms
- Liquid Dosage Forms
- Gaseous Dosage Forms
- Types of Formulations
- Novel Drug Delivery Systems
- General Considerations in Dosage Forms
- Drug Formulation Procedures
- Pharmaceutical Excipients
- Drug Design and Development
- Pharmaceutical Analysis
- Drug Product Manufacturing
- Smart Drug Delivery Systems
- Pharmacists Role in Patient Safety
- Regulatory Affairs
- Pharmaceutical Formulations Market
- Entrepreneurs Investment Meet

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Glimpses of Formulations Summit
Plan your Trip to Brussels
Registrations

Day 1 March 07, 2016

Burgos

Opening Ceremony

Keynote Forum

Introduction

Volkmar Weissig
Midwestern University College of Pharmacy Glendale, USA

Peter Krajcsi
Solvo Biotechnology, Hungary

Networking & Refreshments Break @ Salamanca

Felix Kratz
CytRx Corporation, Germany

Amiram Goldblum
The Hebrew University of Jerusalem, Israel

Track 5: Nanotechnology in Drug Delivery Systems

Session Chair: Volkmar Weissig, Midwestern University College of Pharmacy Glendale, USA

Session Chair: Costas Kiparissides, Aristotle University of Thessaloniki, Greece

Session Introduction

Title: Mucus permeating nanocarriers for the oral delivery of biomolecules
Costas Kiparissides, Aristotle University of Thessaloniki, Greece

Title: Mitochondria-targeted nano drug delivery systems
Volkmar Weissig, Midwestern University College of Pharmacy Glendale, USA

Title: Preparation of novel nano, micro and macro drug delivery systems via Electrohydrodynamic (EHDA) technologies
Zeeshan Ahmad, De Montfort University, UK

Title: Nanometronomic treatment of breast cancer with Doxorubicin loaded H-Ferritin prevents drug resistance and circumvents cardiotoxicity
Serena Mazzucchelli, University of Milan, Italy

Title: Paromomycin liposomes - An alternative strategy for treatment of infectious diseases
Maria Manuela Gaspé, University of Lisbon, Portugal

Lunch Break @ Salamanca

Tracking & Refreshments Break @ Salamanca

Track 4: Drug Targeting

Session Chair: Volkmar Weissig, Midwestern University College of Pharmacy Glendale, USA

Session Co-Chair: Osama Ibrahim, Bio Innovation, USA

Session Introduction

Title: The history of bioprocess technology in drug discovery and its future perspectives
Osama Ibrahim, Bio Innovation, USA

Title: iRGD, a tumor-penetrating peptide for tumor-specific drug delivery
Tatiana Hurtado de Mendoza, Sanford Burnham Prebys Medical Discovery Institute, USA
<table>
<thead>
<tr>
<th>Title</th>
<th>Author/Institution</th>
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<tbody>
<tr>
<td>Cell-selective delivery of Interferon gamma peptidomimetic inhibits chronic liver fibrosis and tumor angiogenesis in vivo</td>
<td>Ruchi Bansal, University of Twente, Netherlands</td>
</tr>
<tr>
<td>Design and synthesis of novel non CYP 2D6 mediated Tamoxifen analogues</td>
<td>Nermin S Ahmed, University in Cairo, Egypt</td>
</tr>
<tr>
<td>Looking to the future: Clinical pharmacy services in Saudi Arabia</td>
<td>Yousef Alomi, Ministry of Health, KSA</td>
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<tr>
<td>Predicting the solubility advantage of amorphous pharmaceuticals</td>
<td>Gabriele Sadowski, TU Dortmund, Germany</td>
</tr>
<tr>
<td>Formulation of nutraceuticals and dietary supplements: Formulation and regulatory challenges</td>
<td>Shilpa Raut, Amway, USA</td>
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<tr>
<td>The role of preformulation in the choice of rectal formulation : Case study of Ceftriaxone</td>
<td>Tina Kauss, University of Bordeaux, France</td>
</tr>
<tr>
<td>Physicochemical characterization of crystalline supramolecular systems containing established drugs and new drug candidates</td>
<td>Mino R Caira, University of Cape Town, South Africa</td>
</tr>
<tr>
<td>Swellable/erodible delivery systems for time-controlled release of drugs into the gastrointestinal tract</td>
<td>Alessandra Maroni, University of Milan, Italy</td>
</tr>
<tr>
<td>Rectal alternatives to existing oral and injectable pediatric antibiotherapies : Going beyond a wax suppository</td>
<td>Tina Kauss, University of Bordeaux, France</td>
</tr>
<tr>
<td>Inhalable powders loaded with chitosan nanoparticles for protein drug delivery</td>
<td>Sonia Al-Qadi, Birzeit University, Palestine</td>
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<tr>
<td>Evaluation of filler/binder properties of modified starches derived from Plectranthus esculentus by direct compression in Metronidazole tablets formulation</td>
<td>Khalid Garba Mohammed, Bayero University, Nigeria</td>
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<tr>
<td>Thermally targeted delivery of anticancer therapeutic peptides using elastin-like biopolymers</td>
<td>Drazen Raucher, University of Mississippi Medical Center, USA</td>
</tr>
<tr>
<td>Polymeric nanoparticles for the pulmonary delivery of miRNA to treat Chronic Obstructive Pulmonary Disease (COPD)</td>
<td>Gillian Hutcheon, Liverpool John Moores University, UK</td>
</tr>
<tr>
<td>Microneedle delivery: A novel and minimally-invasive drug delivery system to overcome limitations of hypodermic needles</td>
<td>Shayan F Lahiji, Yonsei University, Republic of South Korea</td>
</tr>
<tr>
<td>Functionalized near-infrared quantum dots for biological applications</td>
<td>Shanmugavel Chinnathambi, National Institute for Materials Science, Japan</td>
</tr>
<tr>
<td>Bicosomes: A smart skin drug delivery platform</td>
<td>Rafael Bernad, Bicosome S.L., Spain</td>
</tr>
<tr>
<td>Challenges and advances in oral drug delivery using lipid-based nanoparticles</td>
<td>Ana Rutes Neves, University of Porto, Portugal</td>
</tr>
<tr>
<td>Novel Alginate-Chitosan aerogel fibers for potential wound healing applications</td>
<td>Vanessa Gonçalves, iBET, Portugal</td>
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**PNDDS20**  
Title: A novel approach to determine the rheological properties of the gel layer of swollen hydrophilic matrix tablets  
Rania Hamed, Al-Zaytoonah University of Jordan, Jordan

**PNDDS21**  
Title: *In-vitro* characterization of gambogic acid bound nanobioconjugated target oriented drug carrier system for pancreatic cancer  
Sennur Gorgulu Kahyaoglu, Anadolu University, Turkey

**PNDDS22**  
Title: Water quality and usage for reconstitution of antibiotics  
Mohamed Yehia Abouleish, American University of Sharjah, UAE

**PNDDS23**  
Title: Formulation and *in-vitro/in-vivo* evaluation of buccoadhesive discs for controlled release of calcium channel antagonist  
Mohamed Haidar, University of Sharjah, UAE

**PNDDS24**  
Title: Electrically assisted transdermal drug delivery of Ovalbumin  
Ahlam Zaid Alkilani, Zarqa University, Jordan

**PNDDS25**  
Title: Simulating the surface tension of the gastrointestinal fluid to enhance the dissolution of the weakly basic BCS class II drugs  
Rania Hamed, Al-Zaytoonah University of Jordan, Jordan

**PNDDS26**  
Title: Some pyrimidine derivatives has cytotoxic and anticancer properties against A549 lung adenocarcinoma  
Bahar Demir, Anadolu University, Turkey

**PNDDS27**  
Title: Formulation and characterization of Oregano microparticles prepared by spray-drying technology  
Juste Baranauskaitė, Lithuanian University of Health Sciences, Lithuania

**PNDDS28**  
Title: Does the change in interfacial tension caused by rosemary extract and some of its active ingredients affect the stability of multiple emulsion?  
Ugne Cizauskaite, Lithuanian University of Health Sciences, Lithuania

**PNDDS29**  
Title: Synthesis of novel α-naphthol hydroxamate derivatives as anticancer agents  
Hafiz Antar Makeen, Jazan University, KSA

**PNDDS30**  
Title: Design and Synthesis of Novel Non CYP 2D6 mediated Tamoxifen Analongues  
Nehal Hany Aly Elghazawy, German University in Cairo, Egypt

**PNDDS31**  
Title: Comparison between two batches of Acetylsalicylic Acid using Sedem diagram to compare the suitability for direct compression  
Marc Sune-Pou, University of Barcelona, Spain

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**Day 3 March 09, 2016 Burgos**

**Keynote Forum**

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

**Track 3: Recent Advances in Drug Delivery Technology**

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

**Track 11: Medical Devices for Drug Delivery**

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

**Session Chair: B B Barik, Jazan University, KSA**

**Session Introduction**

Title: Enhanced delivery of DNA-based vaccines and immunotherapeutics through next-generation electroporation devices  
Paul Fisher, Inovio Pharmaceuticals Inc., USA

Title: Application of high pressure technology for the development of intranasal delivery systems  
Catarina Duarte, iBET, Portugal

Title: Targeted inorganic nanodevices for breast cancer diagnosis and therapy  
Luísa Fiandra, University of Milan, Italy

**Networking & Refreshments Break @ Salamanca**

Title: Composite hydrogels: An innovative approach for controlled release of hydrophobic drugs  
Havazelet Bianco-Peled, Technion—Israel Institute of Technology, Israel

Title: Preparation and *in-vitro/in-vivo* evaluation of Metformin hydrochloride rectal dosage form  
Abdelazim Zaghloul, Kuwait University, Kuwait

**Track 8: Physiological Considerations**

**Track 9: Vaccine Drug Delivery Systems**

**Track 10: Biotherapeutics-Drug Discovery and Development**

**Session Chair: Osama Ibrahim, Bio Innovation, USA**

**Session Chair: Helen McCarthy, Queen’s University Belfast, UK**
Title: Expression of shiga-like toxin fused to Vascular Endothelial Growth Factor (VEGF/SLT) in E. coli for targeting angiogenesis
Osama Ibrahim, Bio Innovation, USA

Title: A new technology for DNA vaccination: RALA peptide-mediated gene delivery via dissolving microneedles
Helen McCarthy, Queen's University Belfast, UK

Title: Nanotechnology and mucosal vaccines
José Crecente Campo, Center for Research in Molecular Medicine and Chronic Diseases (CiMUS), Spain

Title: Synthesis and evaluation of selected benzimidazole derivatives as potential antimicrobial agents
Fatmah Alasmary, King Saud University, KSA

Young Researchers Forum

Title: Development of a peptide-based, multifunctional gene delivery vector for metastatic prostate cancer
Stephen Loughran, Queen's University Belfast, UK

Title: Gold nanoparticle for macrophage targeting of Stavudine
Hinojal Zazo Gamez, Universidad of Salamanca, Spain

Title: An investigation into the stability and aqueous solubility of amorphous solid dispersions of BCS class II drugs
Shrawan Baghel, Waterford Institute of Technology, Ireland

Title: Local mucoadhesive drug delivery approach for furazolidone against Helicobacter pylori
Muhammad Irfan Alam, University of Sunderland, UK

Title: NanoZYME technique applied to antioxidant enzyme, SOD, has high potential in the treatment of diseases related to oxidative stress
Anton Aleksashkin, Lomonosov Moscow State University, Russia

B2B Meetings

Award Ceremony

Networking & Refreshments Break @ Salamanca

Bookmark your dates

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Scientific Program

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Email: pharmaceutica@pharmaceuticalconferences.com; ndds@pharmaceuticalconferences.com
Registrations

Jumeirah Ballroom-3

Opening Ceremony

Keynote Forum

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<th>R N Saha</th>
<th>BITS Pilani Dubai Campus, UAE</th>
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<td>Alex Nivorozhkin</td>
<td></td>
<td>Neo-Advent Technologies LLC, USA</td>
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Networking & Refreshments Break @ Jumeirah Ballroom Foyer

Khaled Mohamed Hosny
King Abdulaziz University, Kingdom of Saudi Arabia

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

Session Introduction

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

Title: Polymer drug carriers with enhanced penetration into tumor cells
Robert Pala, Institute of Macromolecular Chemistry AS CR, Czech Republic

Title: Delivery of nanoformulated Antiretroviral drugs across the blood brain barrier
Luisa Fiandra, Luigi Sacco University Hospital, Italy

Lunch Break @ Al Tanour Restaurant

Title: 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

Title: 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

Title: Improving bioavailability of Resveratrol: Transdermal, transmucosal and nanotechnology strategies
Hudson Caetano Polonini, University of Juiz de Fora, Brazil

Title: Composite Poly(methyl methacrylate)/Poly(ethylene glycol) electrospun nanofibrous mats as a novel wound dressing for controlled release of an Anti-scarring agent
Malithe-Poormasjedi-Melbod, University of British Columbia, Canada

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

Title: Formulation and evaluation of nutraceutical tablets of lyophilized nanoparticles of Zinc and Asparagus extracts
Sandeep Arora, Chitkara University, India

Networking & Refreshments Break @ Jumeirah Ballroom Foyer

Han-Chung Wu, Academia Sinica, Taiwan

Title: Development of ligand-mediated drug delivery systems for cancer targeted imaging and therapy

Khaled Mohamed Hosny, King Abdulaziz University, Kingdom of Saudi Arabia

Title: Exploring the critical stabilizing factors for solid dispersions without drug-polymer interaction: Monitoring and inhibiting amorphous/amorphous phase separation
Min Zhao, University College London School of Pharmacy, UK

Title: 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

Title: Controlled Drug Delivery Systems: Recent Challenges and Opportunities Ahead

Rajiv Dahiya, Association of Pharmacy Professionals and Globus College of Pharmacy, India

Saurabh Dahiya, Apeejay Stya University, India

Panel Discussion

Day 2 March 17, 2015
Jumeirah Ballroom-3

Keynote Forum

Husam M Younes  
Qatar University, Qatar

B B Barik  
Jazan University, Kingdom of Saudi Arabia

Networking & Refreshments Break @ Jumeirah Ballroom Foyer

Track 2: Formulation Aspects for Various Routes of Drug Administration
Track 7: Major Challenges in Drug Delivery System

Session Chair: Naglaa G Ahmed, Dubai Pharmacy College, UAE
Session Chair: B B Barik, Jazan University, Kingdom of Saudi Arabia

Session Introduction

Title: Gloveless robotic technologies in aseptic manufacturing for high potent active pharma ingredients
Sergio Mauri, Fedegari Group, Italy

Title: Oral formulations of Metformin in semi-solid matrices: Design, characterization & in vitro evaluations
Husam M Younes, Qatar University, Qatar

Title: Hepatoprotective and antihepatotoxic drugs from plant sources
Naglaa G Ahmed, Dubai Pharmacy College, UAE

Title: Small animal models of osteoarthritis: Understanding drug bio-distribution, activity, safety, therapeutic effects and mechanisms of action
Mohit Kapoor, University of Toronto, Canada

Title: Mitigating risks associated to auto-injector applications
Robert Schulthies, ZebroSci Inc., USA

Title: Chitosan nanoparticles - Challenges for antibiotic drug delivery using Penicillin as a model drug
B B Barik, Jazan University, Kingdom of Saudi Arabia

Title: Challenges facing liposomal delivery of Vancomycin for combating bacterial biofilm on abiotic surfaces
Nawal Khalafallah, Alexandria University, Egypt

Lunch Break @ Al Tanour Restaurant

Title: Hydrogels of solid lipid nanoparticles of curcumin
Ruchi Chawla, Indian Institute of Technology (Banaras Hindu University), India

Title: Ramadan fasting and biological biomarkers: The new opportunities of systems biology and Conference Series LLC sciences
Nicola Luigi Bragazzi, University of Genoa, Italy

Track 1: Pre-formulation Considerations for Conventional Dosage Form Development
Track 10: Advances in Biotherapeutics-Drug Discovery and Development

Session Chair: Mazzucchelli Serena, Luigi Sacco University Hospital, Italy
Session Chair: Maha Aboul-Ela, Beirut Arab University, Lebanon

Session Introduction

Title: Phytotherapeutic potentials of selected Middle East natural products
Maha Aboul-Ela, Beirut Arab University, Lebanon

Title: Determination of Ticagrelor chemical stability and characterization of its degradants
Hassane Sadou Yaye, University Paris Sud, France

Title: Evaluation of three chitin metal silicate co-precipitates as a potential multifunctional single excipient in tablet formulations
Faisal Al-Akayleh, Petra University, Jordan

Title: Novel anti-microbial drugs based on mixed ligand zinc(II) complexes with bioactive carboxylates and nitrogen-donor ligands; Synthesis, structure and biological properties
H Abu Ali, Birzeit University, Palestine

Networking & Refreshments Break @ Jumeirah Ballroom Foyer

Title: Lead to drug candidate: Novel oral kinase inhibitors in cancer therapy
Hsing-Pang Hsieh, National Health Research, Institutes, Taiwan

Title: Considerations in pre-formulation stage of solid and semi-solid dosage forms
Mustafa Hamido, UAE

16:00-17:00 Poster Presentations PNDDS 01- PNDDS 20
17:00-18:00 Poster Presentations PNDDS 21- PNDDS 40

Day 3  March 18, 2015

Jumeirah Ballroom-3

Track 4: Nanotechnology in Drug Delivery Systems
Track 6: Recent Advances in Targeted Drug Delivery System

Session Chair: Tomas Etrych, Institute of Macromolecular Chemistry AS CR, Czech Republic
Session Chair: Ramesh S Kashiri, Merck and Co. Inc., USA

Session Introduction

Title: Polymer based delivery systems for efficient tumor therapy
Tomas Etrych, Institute of Macromolecular Chemistry AS CR, Czech Republic

Title: Nanocages for self-triggered nuclear delivery of Doxorubicin at cancer cells
Mazzucchelli Serena, Luigi Sacco University Hospital, Italy
Title: Development of novel targeted drug delivery systems for the treatment of epilepsy
Sara Ahmadi, Intelligent Polymer Research Institute, Australia

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

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

Title: 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

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

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

Title: Synthesis of Benzopyrano[4,3-d]-Pyrimidine derivatives and some of their antimicrobial and cytotoxicity activities
Haya A Abdulhadi, University of Damman, Kingdom of Saudi Arabia

Title: Mucus permeating SMEDDS containing thiolated compounds
Julia Rohrer, University Innsbruck, Austria

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

Title: Characterisation of nanostructured lipid carriers loaded with Ibuprofen
Blanka Suto, University of Szeged, Hungary

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

Title: 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

Title: Microscopic evaluation of novel topical formulation for treatment of Arthritis
Mohit Bhagrath, Chitkara University, India

Title: Utility of modified locust bean gum for dissolution improvement of poorly soluble drug
Kanav Midha, Chitkara University, India

Title: pH sensitive Calcium Carbonate-encapsulated Copper bis-(8-hydroxyquinoline) drug delivery system for cancer therapy
Anjala Bulathge, University of Peradeniya, Sri Lanka

Title: 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
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**Group Photo**

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

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

**Track 3: Recent Technologies in Novel Drug Delivery Systems**

**Session Chair:** Panayiotis P. Constantinides, Biopharmaceutical & Drug Delivery Consulting, LLC., USA

**Session Co-Chair:** Erik Rytting, University of Texas, USA

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**Keynote Forum**

**Introduction**

**Panayiotis P. Constantinides**  
Biopharmaceutical & Drug Delivery Consulting, LLC., USA

**Jason Vaughn**  
Patheon Pharmaceuticals, USA

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**Tejraj M Aminabhavi**  
Soniya College of Pharmacy, India

**Gjumrakch Aliev**  
GALLY International Biomedical Research Consulting LLC, USA

**Konstantin Tsinman**  
Pion Inc., USA

**Walter Rudzuski**  
Texas State University, USA

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**Coffee Break @ Texas BC**

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**Title:** Amorphous drug-polymer nanoparticles: An enabling drug delivery platform  
**Michael Morgen**, Bend Research Inc., USA

**Title:** Analysis of nanoparticles on particle-by-particle basis using Tunable Resistive Pulse Sensing (TRPS) technology  
**Subhash Kalluri**, Izon Inc., USA

**Title:** Chemistry and formulation-enabled drug delivery tools: Enabling discovery  
**Sophie Dorothee Clas**, PharmaSolv Consulting, Canada

**Title:** Nanoparticle eye drops demonstrate enhanced ocular penetration  
**Koichi Baba**, Osaka University, Japan

**Title:** Nanoparticle delivery of 2-Methoxyestradiol for uterine leiomyoma therapy  
**Erik Rytting**, University of Texas, USA

**Title:** Solid lipid nanoparticle formulations of Oligonucleotides  
**Bo Ying**, Dicerna Pharmaceuticals, USA

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**Coffee Break @ Texas BC**

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**Title:** Continuous-flow microfluidic nanoprecipitation for poorly soluble drug encapsulation in polymeric nanocarriers with tunable release properties  
**Christophe A. Serra**, The University of Strasbourg, France

**Title:** A novel supramolecular smart hydrogel drug delivery system  
**Shao Xiang Lu**, Broda International, LLC., USA

**Title:** Contract research and development at Southwest Research Institute (SwRI)  
**James D. Oxley**, Southwest Research Institute, USA

**Title:** Microencapsulation-Effective drug delivery system  
**Kamran Atif**, Arwan Pharmaceuticals Industries, Lebanon

**Title:** Design and In-Vivo evaluation of diclofenac sodium sustained release matrix tablet of : Effect of compression force  
**Ibrahim M. El-bagory**, Al-Jouf University, Saudi Arabia

**Title:** In Silico modeling penetration of xenobiotics through human skin  
**Gabriel Wittum**, University of Frankfurt, Germany

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**Panel Discussions**

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### Day 2  March 25, 2014

**Workshop**

**Title:** “Forecasting nano-enabled drug delivery (NEDD) innovation pathways”

**By:** Alan Porter, Georgia Tech, USA  
Jing Ma, Beijing Institute of Technology, China  
Tejraj M. Aminabhavi, Soniya College of Pharmacy, India  
Walter Rudzuski, Texas State University, USA  
Nagijibhai Jivani, Ribosome Pharma Pvt. Ltd., India

**Track 4: Nanotechnology in Drug Delivery Systems**  
**Track 5: Prodrugs for Targeted Drug Delivery**

**Session Chair:** Muhammad Delwar Hussain, California Health Sciences University, USA  
**Session Co-Chair:** Chandra Sekhar Kolli, California Health Sciences University, USA

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<td>Study on brain targeting Zidovudine loaded PLGA nanoparticles for AIDS therapy</td>
<td>Muhammad Delwar Hussain, California Health Sciences University, USA</td>
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<td>Controlling the characteristics of polymeric nanoparticles as carriers for the model peptide Capreomycin</td>
<td>Mohsen A. Bayomi, King Saud University, Saudi Arabia</td>
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<td>Nanotechnology for improving response to cancer chemo and immunotherapy</td>
<td>AfshanA. Lavanfar, University of Alberta, Canada</td>
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<td>Formulation and evaluation of microcapsules using multiple emulsions as a novel drug carrier system</td>
<td>Hanaa AM Elshaghir, King Saud University, Saudi Arabia</td>
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<td>Lactoferrin-Doxorubicin conjugates as platform for improved cellular delivery of Doxorubicin to target hypoxia</td>
<td>Sneha Gurudevan, Deakin University, Australia</td>
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<td>Microneedle mediated transdermal delivery systems</td>
<td>Chandra Kolli, California Health Sciences University, USA</td>
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**Track: 8 Physiological Considerations of Drug Delivery**

**Track 11: Regulatory Issues in Pharmaceutics and Novel Drug Delivery**

**Session Chair:** Muhammad Delwar Hussain, California Health Sciences University, USA  
**Session Co-Chair:** Chandra Sekhar Kolli, California Health Sciences University, USA

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<td>Fast dissolving drug delivery systems</td>
<td>Gulay Yelken Demir, Sanovel Pharmaceuticals, Turkey</td>
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<td>Rosuvastatin nanocrystals: Its preparation, characterization, and in vitro – in vivo evaluation</td>
<td>Arvind Sharma, Chitkara University, India</td>
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<td>Vascular oxidative stress and mitochondrial failure in the pathobiology of Alzheimer's disease: Approach to therapy</td>
<td>Jerzy Leszek, Wrocław University School of Medicine, Poland</td>
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<td>Droplet microfluidics: A tool to fabricate polymeric drug microcarriers with complex morphologies for new delivery strategies</td>
<td>Ikram Ullah Khan, University of Strasbourg, France</td>
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<td>Stratification of surface lysine residues of bovine testicular hyaluronidase on the base of its 3D structure model: Design of chondroitin sulphate modified enzyme derivative</td>
<td>Alexander V. Maksimenko, Russian Cardiology Research-and-Production Complex, Russia</td>
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<td>Formulation and optimization of orodispersible tablets of Flutamide</td>
<td>Kadria A. Elkhodairi, King Saud University, Saudi Arabia</td>
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<td>A promising approach to provide appropriate colon target drug delivery systems of Vancomycin HCl: Pharmaceutical and microbiological studies</td>
<td>Azzza S. Zakaria, King Saud University, Saudi Arabia</td>
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<td>Real-time attribute measurement in high shear wet granulation: An evolving paradigm</td>
<td>Ajit Narang, Bristol Mayers Squib, USA</td>
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**Panel Discussions**  
**Poster Presentations**

**Award Ceremony**

**Cocktails: Sponsored by Pharmaceutica Analytica Acta @ Texas BC**

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Track 6: Recent Advances in Targeted Drug Delivery  
Track 7: Major Challenges in Drug Delivery Systems  
Track 9: Advances in Biotherapeutics-Drug Discovery and Development  
Track 10: Vaccine Drug Delivery Systems

Session Chair: Panayiotis P. Constantinides, Biopharmaceutical & Drug Delivery Consulting, LLC, USA  
Session Co-Chair: Sophie Dorothee Clas, PharmaSolv Consulting, Canada

Title: The conjugation of superoxide dismutase with catalase via chondroitin sulphate for targeting protection of vascular wall  
Alexander V. Maksimenko, Russian Cardiology Research-and-Production Complex, Russia

Title: Treatment of oral ulcers in dogs using adipose tissue-derived mesenchymal stem cells  
Eman Elashiry, King Abdulaziz University, Saudi Arabia

Title: Intranasal premedication in dental sedation  
Saad Abdel-Rahman Sheta, King Saud University, Saudi Arabia

Coffee Break @ Texas BC

Title: Surface modified lipid nanocarriers for non-invasive oral delivery of biomacromolecule  
Rishi Paliwal, Irma Lerma Rangel College of Pharmacy, USA

Title: Inhaled Methoxyflurane sedation for wisdom tooth removal: A comparison to nitrous oxide sedation  
Walid Ahmed Abdullah, King Saud University, Saudi Arabia

Title: Nanotechnology enabled targeted therapy for seasonal and pandemic influenza; Opening a new window to anti-viral therapy  
Krishnan Chakravarthy, Nano Axis LLC, USA

Panel Discussions  
Pharmaceutica-2015_Website Launch

Lunch Break @ Texas BC
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**Opening Ceremony**

**Keynote Forum**

| Introduction | Panayiotis P Constantinides  
Biopharmaceutical & Drug Delivery Consulting, LLC, USA | Wei-Chiang Shen  
University of Southern California, USA |

**Coffee Break**

| Kevin J Filipski  
Pfizer Worldwide Research & Development, USA | Giancarlo Morelli  
University of Naples, Italy | 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

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Cheng Wang, USFDA, USA | **Coffee Break** |
| **Title:** Transmucosal delivery of peptides and siRNAs with a novel lipidic pharmaceutical formulation  
Patrick Maurel, Medesis Pharma, France | **Kevin J Filipski**  
Pfizer Worldwide Research & Development, USA |
| **Title:** Innovations in drug delivery technology: Improvements in long-term herpes treatment  
Barry Margulies, Towson University, USA | **Giancarlo Morelli**  
University of Naples, Italy |
| **Title:** The antiangiogenic effect of dual drug loaded polymeric micelles  
Adam Alani, Oregon State University, USA | **David J Brayden**  
University College Dublin, Ireland |
| **Title:** Role of epigenetics in the HIF pathway and novel therapeutic opportunities  
Mridul Mukherji, University of Missouri-Kansas City, USA | **Opening Ceremony** |
| **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 | **Session Introduction** |
| **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 | **Lunch Break** |
| **Title:** Magnetically targeted drug delivery to stented blood vessels  
Michael Chorny, University of Pennsylvania, USA | **Coffee Break** |
Title: Multiple dose platforms for once daily administration of Cipofloxacin or Verapamil
Jason T McConville, University of New Mexico, USA

Title: Antibody-functionalized nanoparticles for targeted delivery to lung cancer
Sunday A Shoyele, Thomas Jefferson University, USA

Title: Dendron-based micelles: A potential nanocarrier platform
Seungpyo Hong, University of Illinois, USA

Title: Space-Time AFM monitoring of the formation and dissociation of genetic nanoparticles
Hosam Abdelhady, Taibah University, Saudi Arabia

Title: Design of low-molecular-weight prodrugs for targeted delivery of anticancer agents
Shengquan Liu, Touro University-California, USA

Title: Design, formulation and evaluation of self emulsifying drug delivery system for Nisoldipine
Balakumar K, PSG College of Pharmacy, India

Panel Discussions
Cocktails Sponsored by Pharmaceutica Analytica Acta @ Almond

Day 2 April 09, 2013

Registrations
B2B Meetings @ Almond
Hickory

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

Chair: Imran Ahmad, Jina Pharmaceuticals Inc., USA

Session Introduction

Title: Application of 3D-QSDAR for modeling of various biological and toxicity endpoints
Richard Beger, US Food and Drug Administration, USA

Title: Micelle-encapsulated Thiostrepton is an effective nanomedicine for inhibiting tumor growth
Andrei L Gartel, University of Illinois, USA

Title: Lipid based sterically stabilized micelles as effective drug carriers for cancer and inflammatory diseases
Hayat Onyuksel, University of Illinois, USA

Title: Polymer films for the locoregional delivery of anticancer drugs in lung tumors
Fabio Sonvico, University of Technology Sydney, Australia

Title: Combination of Dirhenium cluster compounds and Cisplatin in cancer
Nataliia I Shtemenko, Oles Gonchar Dnipropetrovsak National University, Ukraine

Coffee Break

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

Chair: Steffen Denzinger, Merck KGaA, Germany

Title: Novel polymer system for controlled delivery of chemotherapeutics to improve patient outcomes
Jason Olbrich, Poly-Med Inc., USA

Title: Formulation and evaluation of Ketorolac tromethamine floating in situ gelling system
Prabakar Reddy Veerareddy, Chaitanya College of Pharmacy, India

Title: Study on brain targeting Zidovudine loaded PLGA nanoparticles for AIDS therapy
C Vijaya Raghavan, PSG College of Pharmacy, India

Title: Optimized DZNep exposure presensitizes pancreatic cancer cells to anticancer nucleoside analogs: Utilization of novel drug delivery
Rajgopal Govindarajan, University of Georgia, USA

Title: Innovative bimodal porous silica for solubility enhancement of low soluble drugs
Steffen Denzinger, Merck KGaA, Germany

Lunch Break

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

Chair: Steffen Denzinger, Merck KGaA, Germany

Title: Rx of Cancer using novel delivery system for taxanes - Clinical experience
Imran Ahmad, Jina Pharmaceuticals Inc., USA

Title: Pharmacokinetic/Pharmacodynamic (PK/PD) modeling of anti-neoplastic agents
Ayman M Noreddin, Hampton University, USA

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

Title: Syringeability and injectability of abuse-detergent dosage forms
David Mastropietro, Nova Southeastern University, USA
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

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

Title: Transport model for drug release from delivery vectors accounting for chemical and microstructure properties
Arturas Ziemys, The Methodist Hospital Research Institute, USA

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

Title: Engineering drug nanocarriers for delivery of chemotherapeutic drugs
Rahul Misra, Indian Institute of Technology, India

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**Poster Presentations**

**Cocktails Sponsored by Journal of Pharmaceutics & Drug Delivery Research**

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**Day 3 April 10, 2013**

**Hickory**

**Coffee Break**

**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**

Title: Nanotechnology in advanced drug delivery
Prabakar Reddy Veerareddy, Chaitanya College of Pharmacy, India

Title: Designing of magnetic nanoparticle based diagnostic kit for ultrasensitive detection of enteric fever: Evanescent-wave optical illumination studies
Mohita Upadhyaya, Indian Institute of Technology, India

Title: Cytotoxicity & kinetic studies of cancer cell lines through Methotrexate nanoparticles: Comparative analysis with direct drug
Rahul Misra, Indian Institute of Technology, India

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**Coffee Break**

Title: Performance evaluation of abuse-deterrent dosage forms to mechanical manipulation
David Mastropietro, Nova Southeastern University, USA

Title: Pharmaceutical price controls and entry strategies
Andrews Abaitey, Vine Medics, Ghana

Title: Development and characterization of Terbutaline sulphate microsponge and its colonic delivery by compression coated tablets
Biswajit Basu, Atmiya Institute of Pharmacy, India

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**Award Ceremony**

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Registration opens: August 01, 2016
Early bird registration: April 20, 2017
On spot registration: August 28, 2017

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