Tentative Program

15th International Conference and Exhibition on Pharmaceutical Formulations
July 26-27, 2018 Rome, Italy

Interactive Sessions  Keynote Lectures  Plenary Lectures  Workshops
Exhibitors  B2B Meetings

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

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<tr>
<td><strong>Coffee/Tea Break 15.30-15.45 (Networking)</strong></td>
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**Note:** Workshops and Symposia slots are available. To book slot for Workshop and Symposium send us

**Call for Abstract:** [http://formulation.pharmaceuticalconferences.com/call-for-abstracts.php](http://formulation.pharmaceuticalconferences.com/call-for-abstracts.php)

**Registration:** [http://formulation.pharmaceuticalconferences.com/registration.php](http://formulation.pharmaceuticalconferences.com/registration.php)


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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Antwerp City - Belgium

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Grand Palace

Brussels

Brussels Town Hall
Day 1  March 07, 2016

Registrations

Burgos

Opening Ceremony

Keynote Forum

Introduction
Volkmar Weissig
Midwestern University College of Pharmacy Glendale, USA

Peter Krajsi
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
Track 6: Application of Nanotechnology
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 Gasper, University of Lisbon, Portugal

Lunch 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

Title: Local delivery of nanomedicines-loaded hydrogel for the treatment of glioblastoma
Fabienne Danhier, Louvain Drug Research Institute, Belgium

Title: Novel targeted non-RGD cyclic peptide drug conjugates for treatment of human metastatic melanoma
Gary Gellerman, Ariel University, Israel

Title: Pitavastatin-containing nanoemulsions: Preparation, characterization and in-vitro cytotoxicity
Yucel Baspinar, Ege University, Turkey

Title: Food effects on gastrointestinal transit properties of Amphotericin B solid lipid nanoparticles
Nashiru Billa, University of Nottingham, Malaysia

Title: Nanotechnology: A challenge in traditional medicine
B B Barik, Jazan University, KSA

Title: New standards and regulations of pharmacy practice in Saudi Arabia
Yousef Alomi, Ministry of Health, KSA

Title: Nanobiocomposite for dual stimuli-responsive smart release of insulin using a novel high effective surface area functionalized gold nanoparticle-polymer
Ehsan Shamaei, Tarbiat Modares University, Iran

Networking & Refreshments Break @ Salamanca

Felix Kratz
CytRx Corporation, Germany

Amiram Goldblum
The Hebrew University of Jerusalem, Israel
Title: Cell-selective delivery of Interferon gamma peptidomimetic inhibits chronic liver fibrosis and tumor angiogenesis in vivo
Ruchi Bansal, University of Twente, Netherlands

Title: Design and synthesis of novel non CYP 2D6 mediated Tamoxifen analogues
Nermin S Ahmed, University in Cairo, Egypt

Title: Looking to the future: Clinical pharmacy services in Saudi Arabia
Yousef Alomi, Ministry of Health, KSA

Panel Discussion

Day 2 March 08, 2016
Burgos

Keynote Forum

Joel Richard
IPSEN, France

Kang Choon Lee
SungKyunKwan University, Republic of South Korea

Track 1: Pre-formulation Considerations
Track 2: Formulation Aspects for Various Routes

Session Chair: Joel Richard, IPSEN, France
Session Chair: Gabriele Sadowski, TU Dortmund, Germany
Session Chair: Mino R Caira, University of Cape Town, South Africa

Title: Predicting the solubility advantage of amorphous pharmaceuticals
Gabriele Sadowski, TU Dortmund, Germany

Title: Formulation of nutraceuticals and dietary supplements: Formulation and regulatory challenges
Shilpa Raut, Amway, USA

Title: The role of preformulation in the choice of rectal formulation: Case study of Ceftriaxone
Tina Kauss, University of Bordeaux, France

Networking & Refreshments Break @ Salamanca

Track 12: Smart Drug Delivery Systems
Track 13: Delivery Methods for Peptides and Biologics

Session Chair: Drazen Raucher, University of Mississippi Medical Center, USA
Session Chair: Kang Choon Lee, SungKyunKwan University, Republic of South Korea

Title: Physicochemical characterization of crystalline supramolecular systems containing established drugs and new drug candidates
Mino R Caira, University of Cape Town, South Africa

Title: Swellable/erodible delivery systems for time-controlled release of drugs into the gastrointestinal tract
Alessandra Maroni, University of Milan, Italy

Title: Rectal alternatives to existing oral and injectable pediatric antibiotherapies: Going beyond a wax suppository
Tina Kauss, University of Bordeaux, France

Title: Inhalable powders loaded with chitosan nanoparticles for protein drug delivery
Sonia Al-Qadi, Birzeit University, Palestine

Title: Evaluation of filler/binder properties of modified starches derived from Plectranthus esculentus by direct compression in Metronidazole tablets formulation
Khalid Garba Mohammed, Bayero University, Nigeria

Lunch Break @ Salamanca

Session Introduction

Title: Thermally targeted delivery of anticancer therapeutic peptides using elastin-like biopolymers
Drazen Raucher, University of Mississippi Medical Center, USA

Title: Polymeric nanoparticles for the pulmonary delivery of miRNA to treat Chronic Obstructive Pulmonary Disease (COPD)
Gillian Hutcheon, Liverpool John Moores University, UK

Title: Microneedle delivery: A novel and minimally-invasive drug delivery system to overcome limitations of hypodermic needles
Shayan F Lahiji, Yonsei University, Republic of South Korea

Title: Functionalized near-infrared quantum dots for biological applications
Shanmugavel Chinnathambi, National Institute for Materials Science, Japan

Title: Bicosomes: A smart skin drug delivery platform
Rafael Bernad, Bicosome S.L., Spain

Young Researchers Forum

Title: Challenges and advances in oral drug delivery using lipid-based nanoparticles
Ana Rutes Neves, University of Porto, Portugal

Title: Novel Alginate-Chitosan aerogel fibers for potential wound healing applications
Vanessa Gonçalves, iBET, Portugal
Title: Cream formulation impact on topical administration of engineered colloidal nanoparticles
Beneditta Santini, University of Milano-Bicocca, Italy

Title: The PK-Eye: A novel in vitro aqueous flow model to evaluate ocular pharmacokinetics
Sahar Awwad, UCL School of Pharmacy, UK

Title: Cationic derivatives of polyisoprenoid alcohols for liposomal drug delivery
Olga Gawrysz, Morsakowski Medical Research Centre PAS, Poland

Title: Polymeric particulated carriers in drug delivery: Obtention, study and characterization
Merari Chevalier, CoMP-INTEMA- Universidad Nacional de Mar del Plata, Argentina

Title: Cell incorporation studies with 99mTc labeled methotrexate loaded chitosan nanoparticles for breast cancer diagnosis
Meliza Kicini, Ege University, Turkey

Title: Novel anticancer agent, SQAP, binds to focal adhesion kinase and modulates its activity
Jesus Izaguirre Carbonell, Tokyo University of Science, Japan

PNDDS01 Title: Flurbiprofen 8.75 mg sore throat spray: Characteristics and performance
David Veale, Reckitt Benckiser Health Care Ltd, UK

PNDDS02 Title: Self emulsifying drug delivery system (SEDDS) applied to rectal delivery for absorption enhancement of class III BCS drug
Tina Kauss, University of Bordeaux, Italy

PNDDS03 Title: Polymer nanocapsules for the intracellular delivery of hydrophobic and hydrophilic anticancer drugs
Dolores Torres, University of Santiago de Compostela, Spain

PNDDS04 Title: Polymeric matrixes for the controlled release of peptide-loaded chitosan nanoparticles
Desiree Teijeiro, University of Santiago de Compostela, Spain

PNDDS05 Title: Drug loaded in situ hydrogels for rheumatoid arthritis treatment
Nataliya Storozhylova, University of Santiago de Compostela, Spain

PNDDS06 Title: Reduction of SKOV-3 cells viability induced by CBD: in vitro evaluation and design of PLGA multiparticulate systems loaded with CBD
Ana Isabel Fraguas Sanchez, Complutense University of Madrid, Spain

PNDDS07 Title: When academia and industry walk together: Projects and services for pharmaceutical companies in the Faculty of Pharmacy of the University of Barcelona
Marc Sune-Pou, University of Barcelona, Spain

PNDDS08 Title: Study on different penetrability of nano and microparticles
Melania F Munteanu, Vasile Goldis West University Arad, Romania

PNDDS09 Title: Delivery of Insulin encapsulated microneedles through a novel applicator in a minimal invasive manner
Shayan F Lahiji, Yonsei University, Republic of South Korea

PNDDS10 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

PNDDS11 Title: Dissolution method development: R&D and QC holding hands
Ana Mafalda Paiva, Hovione PharmaScience Ltd., Portugal

PNDDS12 Title: Ciprofloxacin loaded nano-spanlastics for ototopical non-invasive delivery to the middle ear
Abdulaziz Al-mahallawi, Cairo University, Egypt

PNDDS13 Title: Loco-regional breast cancer therapy through in situ thermosensitive Tamoxifen citrate niosomal gels
Dalia Samuel Shaker, Future University, Egypt

PNDDS14 Title: Ecofreindly synthesis of silver nanoparticles using Fenugreek seeds’ aqueous extracts and its antimicrobial properties
Asmaa Ashour, Alexandria University, Egypt

PNDDS15 Title: Preparation and optimization of Lacidipine nanosuspensions by antisolvent sonoprecipitation technique using box-behnenk design
Ahmed Fares Roshdy, Cairo University, Egypt

PNDDS16 Title: Coated prolonged release minitablets with Carbamazepine
Maja Szczepanska, Medical University of Gdansk, Poland

PNDDS17 Title: Synthesis, drug release and biological evaluation of new anticancer drug-bioconjugates containing Somatostatin backbone cyclic analog as a targeting moiety
Boris Redko, Ariel University, Israel

PNDDS18 Title: Bio-labile peptidyl delivery systems towards sequential drug release
Elena Ragozin, Ariel University, Israel

PNDDS19 Title: Development of novel synthetic approaches for synthesis of peptide drug candidates
Andrii Bazylevich, Ariel University, Israel
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

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

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

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

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

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

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

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

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

Title: Synthesis of novel (α-naphthol hydrazonate derivatives as anticancer agents
Hafiz Antar Makeen, Jazan University, KSA

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

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

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
Abdelaziz 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

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
5th International Conference and Exhibition on
Pharmaceutics & Novel Drug Delivery Systems
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Scientific Program

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Email: pharmaceutica@pharmaceuticalconferences.com; ndds@pharmaceuticalconferences.com
## Keynote Forum

### Introduction

**R N Saha**
BITS Pilani Dubai Campus, UAE

**Alex Nivorozhkin**
Neo-Advent Technologies LLC., USA

### 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

**Session Chair:** R N Saha, BITS Pilani Dubai Campus, UAE

**Session Co-Chair:** Luisa Fiandra, Luigi Sacco University Hospital, Italy

#### 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 Pola**, 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

**Mathe-Sadat 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

### Workshop

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

**Title:** Bioactive peptides: Complex structures, synthesis and their controlled drug delivery

**Rajiv Dahiyai**, Association of Pharmacy Professionals and Globus College of Pharmacy, India

**Title:** Guar gum revisited: Potential carrier for targeted drug delivery systems

**Saurabh Dahiyai**, Apeejay Stya University, India

### Panel Discussion
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<th>Track 7: Major Challenges in Drug Delivery System</th>
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<td>Session Chair: Naglaa G Ahmed, Dubai Pharmacy College, UAE</td>
<td>Session Chair: B B Barik, Jazan University, Kingdom of Saudi Arabia</td>
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**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 Schultheis,** ZebraSci 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

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<th>Track 1: Pre-formulation Considerations for Conventional Dosage Form Development</th>
<th>Track 10: Advances in Biotherapeutics-Drug Discovery and Development</th>
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<td>Session Chair: Mazzucchelli Serena, Luigi Sacco University Hospital, Italy</td>
<td>Session Chair: Maha Aboul-Ela, Beirut Arab University, Lebanon</td>
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**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

<table>
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<tr>
<th>Track 4: Nanotechnology in Drug Delivery Systems</th>
<th>Track 6: Recent Advances in Targeted Drug Delivery System</th>
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<tr>
<td>Session Chair: Tomas Etrych, Institute of Macromolecular Chemistry AS CR, Czech Republic</td>
<td>Session Chair: Ramesh S Kashi, Merck and Co. Inc., USA</td>
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**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

Networking & Refreshments Break @ Jumeirah Ballroom Foyer

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: Enhanced cytotoxic effect of chemically conjugated polymeric sirolimus against HT-29 colon cancer and a-S49 lung cancer cell lines
Rachad Alnamer, University of Thamar, Yemen

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

Networking & Refreshments Break @ Jumeirah Ballroom Foyer

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

Panel Discussion
Award Ceremony

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March 07-09, 2016  Madrid, Spain

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Opening Ceremony

Keynote Forum

**Introduction**

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

**Jason Vaughn**  
Patheon Pharmaceuticals, USA

**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

Coffee Break @ Texas BC

Lunch Break @ Texas BC

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

---

**Session Introduction**

**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  
**Keiichi 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

Coffee Break @ Texas BC

Lunch Break @ Texas BC

**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

Panel Discussions
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
  Nagjibhai 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

Title: Study on brain targeting Zidovudine loaded PLGA nanoparticles for AIDS therapy
Muhammad Delwar Hussain, California Health Sciences University, USA

Title: Controlling the characteristics of polymeric nanoparticles as carriers for the model peptide Capreomycin
Mohsen A. Bayomi, King Saud University, Saudi Arabia

Title: Nanotechnology for improving response to cancer chemotherapeutic and immunotherapy
Afshaneh Lavasanifar, University of Alberta, Canada

Title: Formulation and Evaluation of Microcapsules using multiple emulsions as a novel drug carrier system
Hanaa AM Elsaghir, King Saud University, Saudi Arabia

Title: Lactoferrin-Doxorubicin conjugates as a platform for improved cellular delivery of Doxorubicin to target hypoxia
Sneha Gurudevan, Deakin University, Australia

Title: Microneedle mediated transdermal delivery systems
Chandra Kolli, California Health Sciences University, USA

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

Title: Fast dissolving drug delivery systems
Gulay Yelken Demirel, Sanovel Pharmaceuticals, Turkey

Title: Rosuvastatin nanocrystals: Its preparation, characterization, and in vitro – in vivo evaluation
Arvind Sharma, Chitkara University, India

Title: Vascular oxidative stress and mitochondrial failure in the pathobiology of Alzheimer's disease: Approach to therapy
Jerzy Leszek, Wroclaw University School of Medicine, Poland

Title: Droplet microfluidics: A tool to fabricate polymeric drug microcarriers with complex morphologies for new delivery strategies
Ikram Ullah Khan, University of Strasbourg, France

Title: Stratification of surface lysine residues of bovine testicular hyaluronidase on the base of its 3D structure model: Design of chondroitin sulphate modified enzyme derivative
Alexander V. Maksimenko, Russian Cardiology Research-and-Production Complex, Russia

Title: Formulation and optimization of orodispersible tablets of Flutamide
Kadria A. Elkhodairy, King Saud University, Saudi Arabia

Title: A promising approach to provide appropriate colon targeted drug delivery systems of Vancomycin HCl: Pharmaceutical and microbiological studies
Azza S. Zakaria, King Saud University, Saudi Arabia

Title: Real-time attribute measurement in high shear wet granulation: An evolving paradigm
Ajit Narang, Bristol Meyers Squibb, USA
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

Session Introduction

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 mesenchyme 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

Panel Discussions
Pharmaceutica-2015_Website Launch

Lunch 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

Title: Surface modified lipid nanocarriers for non-invasive oral delivery of biomacromolecule
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Coffee Break @ Texas BC

Panel Discussions
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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

Session Introduction

Title: Neural stem cell models to studying pediatric anesthetic neurotoxicity
Cheng Wang, USFDA, USA

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

Group Photo

Lunch Break

Title: Innovations in drug delivery technology: Improvements in long-term herpes treatment
Barry Margulies, Towson University, USA

Title: The antiangiogenic effect of dual drug loaded polymeric micelles
Adam Alani, Oregon State University, USA

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

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

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

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 Ciprofloxacin 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 Dnipropevtosak National University, Ukraine

Coffee Break

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
Prabhakar 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
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### Poster Presentations

**Coffee Break**

**Track Introduction**

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

**Title:** Designing of magnetic nanoparticle based diagnostic kit for ultrasensitive detection of enteric fever: Evansenwave 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

**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

**Award Ceremony**

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Important Dates
Abstract submission opens: September 01, 2017
Registration opens: September 04, 2017
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On spot registration: July 26, 2018

Venue
Rome, Italy

Attractions & Landmarks
Colosseum Outer Wall.
The Pantheon..
Roman Forum..
The Trevi Fountain..
Saint Peters Basilica..
Vatican Museums..
Piazza Navona..
Spanish Steps..
Sistine Chapel..
Galleria Borghese..
Palatine Hill..