**Day 1**  
**March 07, 2016**

## Registrations

### Burgos

## Opening Ceremony

### Keynote Forum

<table>
<thead>
<tr>
<th>Session</th>
<th>Chair/Co-Chair</th>
<th>Institution</th>
<th>Country</th>
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<tr>
<td><strong>Introduction</strong></td>
<td>Volkmar Weissig</td>
<td>Midwestern University College of Pharmacy Glendale, USA</td>
<td></td>
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<tr>
<td><strong>Session Chair:</strong> Volkmar Weissig</td>
<td>Costas Kiparissides</td>
<td>Aristotle University of Thessaloniki, Greece</td>
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<tr>
<td><strong>Title:</strong> Mucus permeating nanocarriers for the oral delivery of biomolecules</td>
<td>Costas Kiparissides</td>
<td>Aristotle University of Thessaloniki, Greece</td>
<td></td>
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<tr>
<td><strong>Title:</strong> Mitochondria-targeted nano drug delivery systems</td>
<td>Volkmar Weissig</td>
<td>Midwestern University College of Pharmacy Glendale, USA</td>
<td></td>
</tr>
<tr>
<td><strong>Title:</strong> Preparation of novel nano, micro and macro drug delivery systems via Electrohydrodynamic (EHDA) technologies</td>
<td>Zeeshan Ahmad</td>
<td>De Montfort University, UK</td>
<td></td>
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<tr>
<td><strong>Title:</strong> Nanometronomic treatment of breast cancer with Doxorubicin loaded H-Ferritin prevents drug resistance and circumvents cardiotoxicity</td>
<td>Serena Mazzucchelli</td>
<td>University of Milan, Italy</td>
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<tr>
<td><strong>Title:</strong> Paromomycin liposomes - An alternative strategy for treatment of infectious diseases</td>
<td>Maria Manuela Gasper</td>
<td>University of Lisbon, Portugal</td>
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<tr>
<td><strong>Networking &amp; Refreshments Break @ Salamanca</strong></td>
<td>Felix Kratz</td>
<td>CytRx Corporation, Germany</td>
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<td></td>
<td>Amiram Goldblum</td>
<td>The Hebrew University of Jerusalem, Israel</td>
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### Track 5: Nanotechnology in Drug Delivery Systems  
### Track 6: Application of Nanotechnology

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<td>Aristotle University of Thessaloniki, Greece</td>
</tr>
<tr>
<td><strong>Title:</strong> Local delivery of nanomedicines-loaded hydrogel for the treatment of glioblastoma</td>
<td>Fabienne Danhier</td>
<td>Louvain Drug Research Institute, Belgium</td>
</tr>
<tr>
<td><strong>Title:</strong> Novel targeted non-RGD cyclic peptide drug conjugates for treatment of human metastatic melanoma</td>
<td>Gary Gellerman</td>
<td>Ariel University, Israel</td>
</tr>
<tr>
<td><strong>Title:</strong> Pitavastatin-containing nanoemulsions: Preparation, characterization and in-vitro cytotoxicity</td>
<td>Yucel Baspinar</td>
<td>Ege University, Turkey</td>
</tr>
<tr>
<td><strong>Title:</strong> Food effects on gastrointestinal transit properties of Amphotericin B solid lipid nanoparticles</td>
<td>Nashiru Billa</td>
<td>University of Nottingham, Malaysia</td>
</tr>
<tr>
<td><strong>Title:</strong> Nanotechnology: A challenge in traditional medicine</td>
<td>B B Barik</td>
<td>Jazan University, KSA</td>
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<td>Yousef Alomi</td>
<td>Ministry of Health, KSA</td>
</tr>
<tr>
<td><strong>Title:</strong> Nanobiocomposite for dual stimuli-responsive smart release of insulin using a novel high effective surface area functionalized gold nanoparticle-polymer</td>
<td>Ehsan Shamaei</td>
<td>Tarbiat Modares University, Iran</td>
</tr>
<tr>
<td><strong>Lunch Break @ Salamanca</strong></td>
<td>Felix Kratz</td>
<td>CytRx Corporation, Germany</td>
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<td>Amiram Goldblum</td>
<td>The Hebrew University of Jerusalem, Israel</td>
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### Track 4: Drug Targeting

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<tr>
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<tbody>
<tr>
<td><strong>Session Chair:</strong> Volkmar Weissig</td>
<td><strong>Session Co-Chair:</strong> Osama Ibrahim</td>
<td>Bio Innovation, USA</td>
</tr>
<tr>
<td><strong>Title:</strong> The history of bioprocess technology in drug discovery and its future perspectives</td>
<td>Osama Ibrahim</td>
<td>Bio Innovation, USA</td>
</tr>
<tr>
<td><strong>Title:</strong> iRGD, a tumor-penetrating peptide for tumor-specific drug delivery</td>
<td>Tatiana Hurtado de Mendoza</td>
<td>Sanford Burnham Prebys Medical Discovery Institute, USA</td>
</tr>
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</table>

### Networking & Refreshments Break @ Salamanca
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
<table>
<thead>
<tr>
<th>Title</th>
<th>Author(s)</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Cream formulation impact on topical administration of engineered colloidal nanoparticles</td>
<td>Benedetta Santini, University of Milano-Bicocca, Italy</td>
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<tr>
<td>The PK-Eye: A novel <em>in vitro</em> aqueous flow model to evaluate ocular pharmacokinetics</td>
<td>Sahar Awwad, UCL School of Pharmacy, UK</td>
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<tr>
<td>Cationic derivatives of polyisoprenoid alcohols for liposomal drug delivery</td>
<td>Olga Gawryś, Morskowski Medical Research Centre PAS, Poland</td>
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<tr>
<td>Polymeric particulated carriers in drug delivery: Obtention, study and characterization</td>
<td>Merari Chevalier, CoMP-INTEMA- Universidad Nacional de Mar del Plata, Argentina</td>
<td></td>
</tr>
<tr>
<td>Cell incorporation studies with <em>99m</em>Tc labeled methotrexate loaded chitosan nanoparticles for breast cancer diagnosis</td>
<td>Meliha Ekinci, Ege University, Turkey</td>
<td></td>
</tr>
<tr>
<td>Novel anticancer agent, SQAP, binds to focal adhesion kinase and modulates its activity</td>
<td>Jesus Izaguirre Carbonell, Tokyo University of Science, Japan</td>
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**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 matrices 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-behnken design  
Ahmed Fares Roshdy, Cairo University, Egypt

**PNDDS16**
Title: Coated prolonged release minitablets with Carbamazepine  
Maja Szczepańska, 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
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 Haider, 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 Analouges
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

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
Luisa 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

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Pharmaceutics & Novel Drug Delivery Systems

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