16th International Conference and Exhibition on
Pharmaceutics & Novel Drug Delivery Systems
March 19-21, 2018 | Berlin, Germany

Theme: De novo in Drug Delivery Systems

300+ Participation (70 Industry: 30 Academia) includes
12+ Interactive Sessions
5+ Keynote Lectures
50+ Plenary Lectures
5+ Workshops
20+ Exhibitors
B2B Meetings

Leading Pharma Event
Pharmaceutica 2018 is Coming to Berlin
Possessing the right formulation and drug delivery strategy is the foundation of successful drug development. But how do you achieve this? There are on-going innovations in technology, processes and partnership types being trialed across the industry. It’s vital to stay abreast of these developments and look to incorporate selected elements into your existing practice to buoy strengths further and overcome weaknesses.

Pharmaceutica 2018 provides the perfect platform for just this as an interactive and engaging 3-day event: unique in format, content, networking and engagement. The event brings together truly innovative thinkers who are leading the way through trialing new disruptive solutions and rethinking the conventional formulation and delivery mind-set.

Pharmaceutica 2018 will help you to better understand how to develop the right formulation and delivery strategy with a strong scientific, clinical and commercial mind set and how innovative scientific techniques, emerging technologies and innovative devices can transform formulation and drug delivery.

Regards,
Pharmaceutica 2018 Organizing Committee
## Tentative Agenda

### March 19, 2018 Monday

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>08:30-09:30</td>
<td>Registrations</td>
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<tr>
<td>09:30-11:30</td>
<td>Keynote Forum</td>
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**Group Photo**

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>11:30-11:45</td>
<td>Network &amp; Refreshments Break*</td>
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<tr>
<td>11:45-13:00</td>
<td>Track 1: Drug Targeting and Design</td>
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<tr>
<td>11:45-13:00</td>
<td>Track 2: Drug Delivery Technologies</td>
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<td>13:00-13:45</td>
<td>Lunch Break**</td>
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<tr>
<td>13:45-16:00</td>
<td>Track 3: Nanoparticulate Drug Delivery Systems</td>
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<td>16:00-16:15</td>
<td>Network &amp; Refreshments Break*</td>
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<tr>
<td>16:15-18:00</td>
<td>Track 4: Pharmaceutical Nanotechnology</td>
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### March 20, 2017 Tuesday

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<tr>
<th>Time</th>
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<tr>
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<td>10:30-11:30</td>
<td>Track 5: Nanomedicine and Nanotechnology</td>
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<td>11:30-11:45</td>
<td>Network &amp; Refreshments Break*</td>
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<tr>
<td>11:45-13:00</td>
<td>Track 6: Smart Drug Delivery Systems</td>
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<td>13:00-13:45</td>
<td>Lunch Break**</td>
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<tr>
<td>13:45-16:00</td>
<td>Track 7: Biomaterials in Drug Delivery</td>
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<td>16:00-16:15</td>
<td>Network &amp; Refreshments Break*</td>
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<td>16:15-18:00</td>
<td>Track 8: Vaccine Drug Delivery Systems</td>
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<tr>
<td>16:00-18:00</td>
<td>Poster Presentations</td>
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### March 21, 2017 Wednesday

<table>
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<tr>
<th>Time</th>
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<tr>
<td>09:30-11:30</td>
<td>Track 9: Peptides and Protein Drug Delivery</td>
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<td>11:30-11:45</td>
<td>Network &amp; Refreshments Break*</td>
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<td>11:45-13:00</td>
<td>Track 10: Medical Devices for Drug Delivery</td>
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<td>13:00-13:45</td>
<td>Lunch Break**</td>
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<tr>
<td>13:45-16:00</td>
<td>Track 11: Nanomedicine and Nanotechnology</td>
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<td>16:00-16:15</td>
<td>Network &amp; Refreshments Break*</td>
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<tr>
<td>16:15-18:00</td>
<td>Track 12: Smart Drug Delivery Systems</td>
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<td>18:00-18:15</td>
<td>Track 13: Pharmaceutical Nanotechnology</td>
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<tr>
<td>18:15-18:30</td>
<td>Track 14: Drug Delivery Technologies</td>
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</tbody>
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**Award Ceremony**

**Conference Concludes**

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**Notes:**
- Conference schedule is subject to change.
- Workshops and Symposia slots are available. To book slot for Workshop and Symposium send us the proposal.


Testimonials

“It was very well organized and the venue did provide the proper environment for an effective exchange of new information and above all for inspiring discussions of scientific issues.”

Dr. Volkmar Weissig, Midwestern University, USA

“I am quite happy to be here at this conference which is very well organized and also at a very nice place. It brings together people from different disciplines around pharmaceutics. It was also quite interesting to know the application and problems that might relate to solubility and pharmaceutical substances. I am looking forward to the next conference.”

Dr. Gabriele Sadowski, TU Dortmund, Germany

“I have found it interesting because they have had a diversity of different talks related to chemistry and formulations. It is a good opportunity to know new people interesting in the same field. I hope in the future I could come and share my contributions in Nanotechnology related to vaccinations.”

Jose Crecente Campo, CiMUS, Spain

“Recently I have been attending many conferences of this Organization and I enjoyed these conferences as it interacts lot of people from different countries and also very good for Networking. The conference OCM selected very good people with good subjects and also good audiences. It enhances to exchange knowledge.”

Osama Ibrahim, Bio Innovation, USA

“I thank the Organizers for organizing such a wonderful conference. We have got a chance to meet several people from Academia and also Industry and also communicate with all the attendees. I highly recommend this conference to CRO’s, companies and also to our fellow colleagues and Sponsors. We will participate in future conferences too.”

Mohammad Khalil, ACDIMA, Jordan
Berlin is the capital of Germany, and one of the 16 states of Germany. With a population of 3.5 million people, Berlin is Germany's largest city. It is the second most populous city proper and the seventh most populous urban area in the European Union and one of the most prolific centers of higher education and research in Europe.

The history of science in Berlin is full of the names of famous scholars like Humboldt, Einstein, Virchow, Koch, Meitner and Planck. Major national research organizations such as Fraunhofer, the Helmholtz Association and the Leibniz Association are represented in Berlin by various institutions and research sites. Germany's largest concentration of universities and colleges is located in Berlin, a leading center of science, academics, and research, not least thanks to its 39 institutions of higher education. Germany's national research organizations are represented in Berlin with a number of institutes, as are eight federal ministry research facilities.

Together with Berlin's universities, nearly 100 research institutions in the city form an important basis for the region's economic development. The economic effects are enormous for Berlin: Through seminar and conference events, the capital was able to book 7 million overnight stays, roughly 25% of all hotel overnights in Berlin. With revenue reaching 2 billion euros, roughly 38,000 full-time jobs are secured through seminar and conference traffic. Berlin contains many famous tourism attractions like Brandenburg Gate; Reichstag Building; Museum Island; Berlin Wall; Checkpoint Charlie; Pergamon Museum; Charlottenburg Palace; Neues Museum; Berlin Cathedral; Friedrichstraße; Berlin Zoological Garden; Kurfürstendamm; Treptower Park; AquaDom and many more.
Important Dates
Abstract Submission Opens: April 01, 2017
Registration Opens: April 08, 2017
Early Bird Registration: June 26, 2017
Mid Registration: November 27, 2017
On Spot Registration: March 19, 2018

Venue
Berlin, Germany

Contact:
Renaldo Howell | Program Manager | Pharmaceutica 2018
E-pharmaceutica@pharmaceuticalconferences.org
renaldohowell179@gmail.com
Tel: +1-702-508-5200 Ext: 8046
## Keynote Forum

**09:25-09:30 Introduction**

**Title:** What properties should nanopreparations possess to become effective anticancer medicines?

**Vladimir Torchilin,** Northeastern University, USA

**10:10-10:50 Title:** Oral delivery of biologics- back to the roots

**Andreas Bernkop-Schnürch,** University of Innsbruck, Austria

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## Group Photo

**Networking and Refreshments 10:50-11:10 @ Foyer**

**11:10-11:50 Title:** Quantifying the effectiveness of drug delivery systems *in vivo*

**Steve Hood,** GSK, UK

**11:50-12:30 Title:** Computational discovery and experimental confirmation of TLR9 receptor antagonist leads

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

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## Sessions:

**Smart Drug Delivery Systems | Vaccine Drug Delivery Systems | Routes of Drug Delivery**

**Session Chair:** Vladimir Torchilin, Northeastern University, USA

**Session Chair:** Andreas Bernkop-Schnürch, University of Innsbruck, Austria

**12:30-12:50 Title:** Microneedle: The future of pharmaceutical and cosmeceutical delivery systems

**Hyungil Jung,** Yonsei University, Republic of South Korea

**12:50-13:10 Title:** TBA

**Steve Rannard,** University of Liverpool, UK

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## Lunch Break 13:10-14:00 @ W5 Grill Restaurant

**14:00-14:20 Title:** Polymeric nanoparticles for therapeutic siRNA delivery: Analysis of tissue-penetration and biological activities in tumor tissue slice cultures and *in vivo* xenograft models

**Achim Aigner,** Leipzig University, Germany

**14:20-14:40 Title:** Drug delivery across skin barrier: Investigation on different biocompatible thermoresponsive soft nanocarriers

**Fiorenza Rancan,** Medical University of Berlin, Germany

**14:40-15:00 Title:** Investigation on nano-sized drug delivery systems for ocular application

**Patrizia Chetoni,** University of Pisa, Italy

**15:00-15:20 Title:** Application of simultaneous dissolution-absorption apparatus for screening formulations before bioequivalence studies

**Balint Sinko,** Pion Inc., USA

**15:20-15:40 Title:** Tumour regression after intravenous administration of novel tumour-targeted nanomedicines

**Christine Dufès,** University of Strathclyde, UK

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## Sessions:

**Nanotechnology in Drug Delivery | Pharmaceutical Nanotechnology | Biomaterials in Drug Delivery**

**Session Chair:** Vladimir Torchilin, Northeastern University, USA

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

**16:00-16:20 Title:** Biomaterials a pathway to overcome biomembranes

**Flavia Laffleur,** University of Innsbruck, Austria

**16:20-16:40 Title:** Nanoprecipitation for delivery of Insulin

**António José Ribeiro,** University of Coimbra, Portugal

**16:40-17:00 Title:** Metronomic treatment of breast cancer with Doxorubicin-loaded ferritin nanocages prevents chemoresistance and cardiotoxicity in comparison to liposomal Doxorubicin

**Serena Mazzucchelli,** University of Milan, Italy
17:00-17:20 Title: An early developmental vertebrate model to assess nanomaterial safety
Victoria Sherwood, University of Dundee, UK

17:20-17:40 Title: Polymeric nanofibers for controlled release in hernia repair
Dimitrios A Lamprou, University of Kent, UK

17:40-18:00 Title: Multi-component orchestrated delivery modules for personalized healthcare using SLA 3D printing
Reno A L Leon, Structo Pte. Ltd., Singapore

Panel Discussion

Day 1 Concludes
Day 2 | March 14, 2017 | Tuesday

Byron Suite

Keynote Forum

09:30-10:10 Title: Overcoming cellular barriers for drug delivery: Opening endocytic gates and pathways for intracellular targeting
Arwyn T Jones, Cardiff University, UK

10:10-10:50 Title: Age related sight loss: novel drug delivery strategies to the anterior and posterior segements of the eye
Raid Alany, Kingston University, UK

Networking and Refreshments 10:50-11:10 @ Foyer

11:10-11:50 Title: Lipid-based pharmaceutical formulations for patient-centric product development
Sharareh Salar-Bezhadi, Research Center Pharmaceutical Engineering GmbH, Austria

11:50-12:30 Title: Bacterial nanocellulose as controlled drug delivery system in skin applications
Dagmar Fischer, Friedrich-Schiller University, Germany

Sessions:
Peptides and Protein Drug Delivery | Drug Targeting and Design | Nanoparticulate Drug Delivery Systems
Session Chair: Raid Alany, Kingston University, UK
Session Chair: Arwyn T Jones, Cardiff University, UK

09:30-10:10 Title: Nanoparticles-in-vaginal films for combined delivery of anti-HIV microbicide drugs
Bruno Sarmento, University of Porto, Portugal

10:10-10:50 Title: Dry powder inhalation of Pneumococcal protein-based nanocarrier vaccine
Imran Saleem, Liverpool John Moores University, UK

Lunch Break 13:10-14:00 @ W5 Grill Restaurant

14:00-14:20 Title: Targeting active bowel inflammation foci by MAdCAM-1-specific nanoparticles
Marta Truffi, University of Milano, Italy

14:20-14:40 Title: Therapeutic potential against metastatic melanoma of a copper-based aquaporin inhibitor nanoformulated
Satyanarayana Somavarapu, UCL School of Pharmacy, UK

14:40-15:00 Title: Double-targeting of glioma in mice using LRPI1-targeting carbon nano-needles
Khuloud Al Jamal, King’s College London, UK

15:00-15:20 Title: Metrology in pharmaceutical manufacturing
Dimitrios A Lamprou, University of Kent, UK

15:20-15:40 Title: Targeted drug delivery to enhance cancer therapy and reduce its side effects
Wafa T Al-Jamal, University of East Anglia, UK

15:40-16:00 Title: PLGA nanoparticles entrapping Amikacin and Moxifloxacin as a potential host-directed agent therapy for multidrug resistant tuberculosis
Sharif Abdelghany, University of Jordan, Jordan

16:00-16:20 Title: TBA
Murtaza Tambuwala, Ulster University, UK

Networking and Refreshments 16:20-16:40 @ Foyer

Poster Judges: Raid Alany, Kingston University, UK
Imran Saleem, Liverpool John Moores University, UK
Khuloud Al Jamal, King’s College London, UK

Poster Presentations @ 16:00-18:00
Exhibitions/Networking/B2B Meetings

PNDDS01 Title: ChonylationTM – a new drug delivery technology for improving the therapeutic efficacy of proteins and peptides utilizing naturally-occurring sugar polymer “chondroitin (CH)” as an alternative to polyethylene glycol (PEG)
Yoshihiro TAKATSU, Seikagaku Corporation, Japan

PNDDS02 Title: Solvent-free lipophilic novel drug delivery system via dissolving microneedles
Shayan F Lahiji, Yonsei University, Republic of South Korea
PNDDS03 Title: Novel therapeutic approaches of sulphated glycan isolated from marine organism (whelk) on multiple cancer cell lines including TNBC and characterization of unique biological activity of the extracted compounds on malaria
Chrow Khurshid, University of Salford Manchester, UK

PNDDS04 Title: Investigations into the impact of oleic acid purity on human skin penetration by Terbinafine hydrochloride using Maldi-Ms imaging
Stephen Rumbelow, Croda Inc, USA

PNDDS05 Title: Developing novel biased ligands of protease-activated receptor 2 in colorectal cancer cells
Yuhong Jiang, University of Queensland, Australia

PNDDS06 Title: Steroid-harboring nanoparticles provide anti-inflammatory response with less adverse effects
Kristzian Kvell, University of Pecs, Hungary

PNDDS07 Title: Transcutaneous immunization via rapidly dissolvable microneedles protects against hand-foot-and-mouth disease caused by enterovirus 71
Zhuangzhi Zhu, China State Institute of Pharmaceutical Industry, China

PNDDS08 Title: Preparation and evaluation of Emaneactin Benzoate solid microemulsion
Bo Cui, Chinese Academy of Agricultural Sciences, China

PNDDS09 Title: Resistance monitoring to beta-cypermethrin in spiraling whiteny
Changjiao Sun, Chinese Academy of Agricultural Sciences, China

PNDDS10 Title: Agrochemical smart nano-delivery systems for improved efficiency and safety
Yan Wang, Chinese Academy of Agricultural Sciences, China

PNDDS11 Title: Morphology, structure and function characterization of pei modified magnetic nanoparticles gene delivery system
Xiang Zhao, Chinese Academy of Agricultural Sciences, China

PNDDS12 Title: Bioreosorable structures loaded with ginger and hot pepper extracts as possible application in some cardiovascular diseases
Melania Florina Munteanu, Vasile Goldis Western University Arad, Romania

PNDDS13 Title: Modified release studies of the new antitubercular compound, 1,1’-[4,4’-[tricyclo[3.3.1.13,7]decane-2,2-diyl]bis(phenoxyethyl]dipyrrolidine, bis-hydrochloride from solid pharmaceutical formulations
Angeliki Siamidi, The University of Sheffield, Greece

PNDDS14 Title: An anti-colitic mutual colon-specific prodrug of 5-aminosalicylic acid : Procainamide conjugated to 5-aminosalicylic acid via an azo bond
Abdolati Alwati, University of Bradford, UK

PNDDS15 Title: Colon-specific Celecoxib delivery: a potential strategy for repositioning the selective COX-2 inhibitor as an anti-colitic agent
Wooseong Kim, Pusan National University, South Korea

PNDDS16 Title: Conjugation of with Dextran is a potential strategy to control colonic distribution of the drugs susceptible to metabolism by colonic microbes
Seongkeun Jeong, Pusan National University, South Korea

PNDDS17 Title: An anti-colitic mutual colon-specific prodrug of 5-aminosalicylic acid I: Procainamide conjugated to 5-aminosalicylic acid via an azo bond
Yejin Yang, Pusan National University, South Korea

PNDDS18 Title: Ultrasound–assisted compression of Paracetamol
Igor Grinberg, Israel

PNDDS19 Title: Targeting liposomal doxorubicin to tumour tissues using a novel peptide
Mohammed Aldughaim, The University of Sheffield, UK

PNDDS20 Title: Organogel nanoparticles as delivery system for lipophilic drugs
Sophie Franceschi, Université Paul Sabatier, France

PNDDS21 Title: Dynamic Vapour Sorption – A versatile technique for pharmaceutical materials characterization
Nachal Devi Subramanian, Surface Measurement Systems Ltd., UK

PNDDS22 Title: Enhancement of dissolution of Atorvastatin through preparation of solid dispersions using supercritical fluid technology
Rana Obaidat, Jordan University of Science and Technology, Jordan

PNDDS23 Title: Evaluation of co-processed excipients for Ezetimibe liquisolid formulation
Mai Khanfar, Jordan University of Science and Technology, Jordan

PNDDS24 Title: Development and validation of high performance liquid chromatography method for Atorvastatin calcium in pharmaceutical dosage forms
Mine Diril, Ege University, Turkey

PNDDS25 Title: Development and evaluation of SEDDS pellet for Atorvastatin calcium
Mine Diril, Ege University, Turkey

PNDDS26 Title: Development and evaluation of self microemulsion drug delivery system for Atorvastatin calcium
Mine Diril, Ege University, Turkey

PNDDS27 Title: Determination of critical micelle concentration of lipid based systems with Gsplatins
Irfan Akartas, Ege University, Turkey
<table>
<thead>
<tr>
<th>Title: Development and validation of a simple and sensitive HPLC assay method for determination of Cisplatin</th>
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<td>Irfan Akartas, Ege University, Turkey</td>
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<table>
<thead>
<tr>
<th>Title: Novel self-assembled liquid crystalline nanoparticles for transdermal delivery of progesterone; development, quality by design, in-vitro optimization and ex-vivo permeation studies</th>
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<tr>
<td>Salma M Mohyeldin, Alexandria University, Egypt</td>
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<tr>
<th>Title: Optimization of quercetin Oil-in-Water (O/W) nanoemulsion aerosols for pulmonary delivery</th>
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<tbody>
<tr>
<td>Mohd Basyaruddin Abdul Rahman, Universiti Putra Malaysia, Malaysia</td>
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### Panel Discussion

### Day 2 Concludes

### Day 3 | March 15, 2017 | Wednesday

**Springfield**

#### Keynote Forum

**09:30-10:10**  
**Title:** In-situ forming gel devices as local depot therapeutic for rheumaide arthritis  
Olivia Merkel, Ludwig-Maximilians-Universität München, Germany

**Sessions:**  
Nanotechnology in Drug Delivery | Pharmaceutical Nanotechnology | Biomaterials in Drug Delivery  
Session Chair: Olivia Merkel, Ludwig-Maximilians-Universität München, Germany  
Session Chair: Imran Saleem, Liverpool John Moores University, UK

#### Young Researchers Forum

**10:10-10:25**  
**Title:** Transparent Ciprofloxacin-polyvinylpyrrolidone antibiotic films and nanofiber mats as potential skin and wound care dressings  
Marco Contardi, Istituto Italiano di Tecnologia, Italy

**10:25-10:40**  
**Title:** Development of cationic Ag2S NIR emitting QD's as new generation of theranostic nanoparticles  
Fatma Demir Duman, Koc University, Turkey

**Networking and Refreshments 10:40-11:00 @ Foyer**

**11:00-11:20**  
**Title:** Nanoparticles for oral delivery of Insulin: Facts and safety concerns  
António José Ribeiro, University of Coimbra, Portugal

**11:20-11:40**  
**Title:** Therapeutic potential against metastatic melanoma of a copper-based aquaporin inhibitor nanoformulated  
Maria Manuela Gasper, University of Lisboa, Portugal

**11:40-12:00**  
**Title:** Cm-p5: An antifungal mollusc-derived peptide conjugated with citric acid-modified manganese-ferrite nanoparticles with enhanced activity against Candida albicans in vitro  
Anselmo J Otero-Gonzalez, Havana University, Cuba

**12:00-12:20**  
**Title:** Asenapine Maleate loaded solid lipid nanoparticles for oral delivery  
Pranav Shah, Uka Tarsadia University, India

**12:20-12:40**  
**Title:** Thiolated pectin containing hydrogels for controlled drug delivery of Citrizine hydrochloride with its in-vitro studies  
Muhammad Hanif, Bahauddin Zakariya University, Pakistan

**12:40-13:00**  
**Title:** A novel doxorubicin loaded folicacid conjugated PAMAM modified with borneol, a nature dual-functional product to fredituc PAMAM toxicity and boosting BBB penetration  
Fanzhu Li, Zhejiang Chinese Medical University, China

**13:00-13:20**  
**Title:** Hypoxia-responsive methoxy poly (ethylene glycol)-block-poly (glutamic acid)-graft-6-(2-nitroimidazole) hexyl amine nanoparticles for doxorubicin drug delivery  
Zaheer Ahmad, Chinese Academy of Sciences, China

**Award Ceremony**

**Conference Concludes**