Tentative Program

23rd International Conference on

Pharmaceutical Biotechnology

December 10-11, 2018 Rome, Italy



Interactive Sessions | Keynote Lectures | Plenary Lectures | Workshops

Exhibitors | B2B Meetings

For available speaker slots

pharmabiotech@pharmaceuticalconferences.org

23rd International Conference on

Pharmaceutical Biotechnology

December 10-11, 2018 Rome, Italy

Program at a Glance

Day 1

Morning Sessions	Reception/Registration	08.00-09.00	
		Time	General Session
		09.00-09.15	Inaugural Address
	Least of 3 Keynote/Plenary Talks	09.15-09.45	Keynote/Plenary Talk 1
		09.45-10.15	Keynote/Plenary Talk 2
		10.15-10.45	Keynote/Plenary Talk 3
	Panel Discussions/Group Photo		
	Coffee/Tea Break 10.45-11.00 (Networking)		
Evening Sessions	11.00-12.40	5 Speakers (20 Mins Each)	
	Lunch Break 12.40-13.30		
	13.30-15.30	6 Speakers (20 Mins Each)	
	Coffee/Tea Break 15.30-15.45 (Networking)		
	15.45-17.25	5 Speakers (20 Mins Each)	

19 Speakers for Day 1

Day 2

	Time	Session 1	Session 2
Morning Sessions	09.00-10.40	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Coffee/Tea Break 10.40-10.55 (Networking)		
	10.55-12.35	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Lunch Break 12.35-13.25		
Evening Sessi	13.25-15.05	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Poster Sessions		
	Coffee/Tea Break 15.05-15.20 (Networking)		
	15.20-17.00	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	NOTE: Program Shedule is subject to change with final allotment of the speaker slots		

40 Speakers on Day 2

For More Details: pharmabiotech@pharmaceuticalconferences.org; pharmabiotech@conferenceseries.net

https://biotech.pharmaceuticalconferences.com/

Conference Highlights

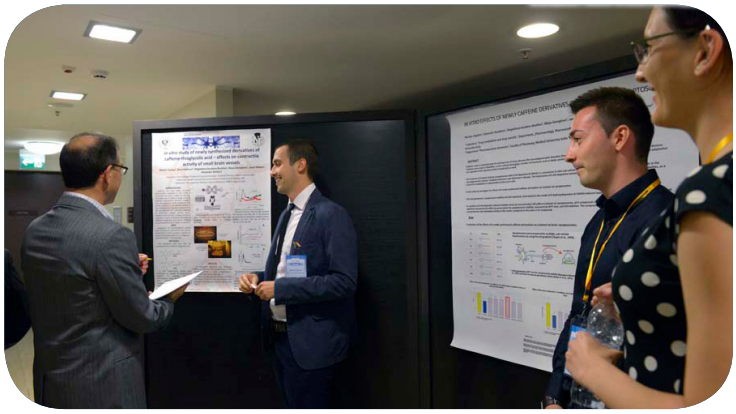
- Biopharmaceuticals
- Novel Approaches in Biopharmaceutics
- Nanoparticles in Biopharmaceuticals
- Biotechnology in Health Care
- Formulation of Biotech Products
- Agriculture Biotechnology
- Advances in Biotech Manufacturing
- Biotechnology and its Applications
- Biopharmaceutical Engineering
- Chemical Biotechnology
- Biomass and Bioenergy
- Industrial and Microbial Biotechnology
- Biopharmaceutical Production in Transgenic Animals
- Development on Recombinant Protein
- Nanobiotechnology
- Biotech Companies and Market Analysis



Glimpses of Pharma Biotech 2017





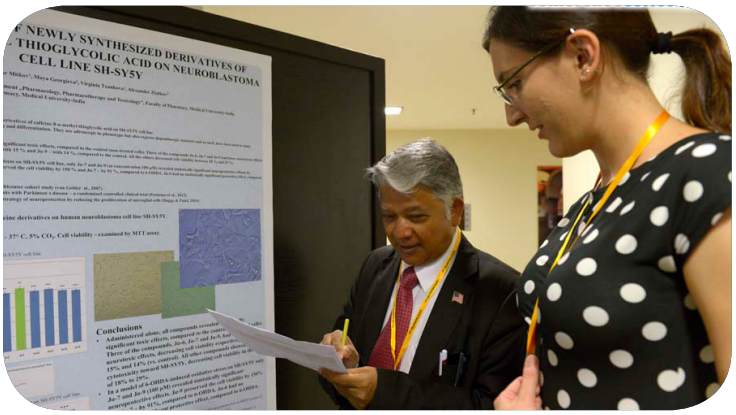












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Scientific Program

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Registrations

Burgos

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Opening Ceremony

Keynote Forum

Introduction

Title: Mobilome and resistome analysis of canine multidrug resistant methicillin-Resistant *Staphylococcus sciuri* strain C2865 and comparative genomics of *S. sciuri* species group

Elena Gómez-Sanz, ETHZ, Switzerland

Title: Biomarkers and liver cancer process

Topolcan Ondrej, Charles University, Czech Republic

Session 1: Biomarkers | Cancer Biomarkers | Pathology Diagnosis

Session Chair: Wancai Yang, University of Illinois at Chicago, USA

Session Introduction

Title: Genetic and epigenetic alterations in chronic colitis malignant transformation

Wancai Yang, University of Illinois at Chicago, USA

Networking & Refreshment Break

Title: Genetic deficiency of PRSS8 causes mouse intestinal inflammation and tumors

Yonghua Bao, Jining Medical University, China

Title: Gastric Endoscopic Submucosal Dissection (ESD) as a treatment for early neoplasia and for accurate staging of early cancers in a UK Caucasian population

M Davenport, Salford Royal NHS Foundation Trust, UK

Title: The ERK MAP kinase-PEA3/ETV4-MMP-1 axis is operative in oesophageal adenocarcinoma

Yeng S Ang, Salford Royal University Hospital, UK

Session 2: Biopharmaceuticals | Computer Aided Drug Design (CADD) | Medicinal Chemistry in Modern Drug Discovery | Drug Metabolism and Drug Designing

Session Chair: Vladimir A Baulin, Universitat Rovira I Virgili, Spain

Title: Targeting viral membrane proteins *in silico*

Wolfgang B Fischer, National Yang-Ming University, Taiwan

Title: Crocin, a carotenoid pigment of saffron inhibits the replication of HSV and HIV *in vitro*

Sepehr Soleymani, Pasteur Institute of Iran, Iran

Group photo

Lunch Break

Title: RNAi-based tailored therapeutic strategies: Are we there yet?

Sukru Tuzmen, Eastern Mediterranean University, Turkey

Title: Anticancer efficacy of self-nanoemulsifying drug delivery system of sunitinib malate

Saad M Alshahrani, Prince Sattam Bin Abdulaziz University, Saudi Arabia

Title: Cucurbitacin B mitigates experimental autoimmune encephalomyelitis by inhibition of IL-17/IL-23 immune axis

Nima Sanadgol, University of Zabol, Iran

Title: Design strategies for nanoparticles translocating through lipid bilayers

Vladimir A Baulin, Universitat Rovira I Virgili, Spain

Session 3: Advance in Biomarkers Discovery | Biomarkers and Non Cancerous Diseases | Cell Free Biomarkers

Session Chair :Bodour Salhia, University of Southern California, USA

Title: Clinical utility of cell-free DNA methylation in managing breast cancer recurrence

Bodour Salhia, University of Southern California, USA

Networking & Refreshment Break

Title: Antiae a novel biomarker for cytodiagnostics
Elena V Pikuta, Athens State University, USA
Title: Prognostic biomarkers of Amyotrophic Lateral Sclerosis (ALS): A step forward in the understanding of the disease
Ana Cristina Calvo, University of Zaragoza, Spain
Title: Advances on flow cytometry and new immunophenotypic markers on AML diagnosis, prognosis determination and overall survival
Amanda Costa, Federal University of Sergipe, Brazil

Panel Discussion

Day 2 December 08, 2017

Keynote Forum

Introduction
Title: Cancer genomics and its role in human cancers
Jianhua Luo, University of Pittsburgh School of Medicine, USA
Title: Systems biology and metabolic engineering of microalgae for the production of pharmaceutical Amaryllidaceae alkaloids
Isabel Desgagné-Penix, Université du Québec à Trois-Rivières, Canada

Networking & Refreshment Break

Session 4: Cancer Biomarkers | Biomarkers & Immuno-Oncology | Biomarkers Detection & Discovery | Clinical Biomarkers | Advances in Biomarkers Discovery
Session Chair :Topolcan Ondrej, Charles University, Czech Republic
Title: Usage of metabolomics profile as biomarkers itself for diagnostic diseases
P G Lokhov, Institute of Biomedical Chemistry, Russia
Title: RhoGDI3, is this small molecular regulator key orchestring the movement and tumor mass in PDAC?
Mercedes Piedad de León-Bautista, Central adn, Mexico
Title: PHI and prostate cancer - optimal management
Topolcan Ondrej, Charles University, Czech Republic
Title: PEA3/ETV4-related transcription factors coupled with active ERK signalling are associated with poor prognosis in gastric adenocarcinoma
Yeng S Ang, Salford Royal University Hospital, UK

Lunch Break

Title: Novel biomarker proteins for cancer: Impact on diagnosis, prognosis and treatment
Varda Shoshan-Barmatz, Ben-Gurion University of the Negev, Israel
Title: Soarfenib effect on human colon cancer cells HCT116 and HCT116 p53-/-
M Al Hassan, Beirut Arab University, Lebanon
Title: Diagnostic and prognostic microRNAs in the serum of breast cancer patients measured by droplet digital PCR
Sayda Omer Ebnaof, University of Khartoum, Sudan
Title: Association of Human Papilloma Virus with Head and Neck Cancer Patients from Khyber Pakhtunkhwa, Pakistan
Maimoona Sabir, University of Haripur, Pakistan

Poster Presentations Slot I

Poster Judge :Vladimir A Baulin, Universitat Rovira I Virgili, Spain

PB-01 **Title: Anticancer activity of *Osmanthus matsumuranus* extract by inducing G2/M arrest and apoptosis**
Byung Woo Kim, Dong-Eui University, South Korea

PB-02 **Title: Anti-oxidative and anti-cancer activities of *Machaerium cuspidatum* extract**
Soojung Jin, Dong-Eui University, South Korea

PB-03 **Title: Antioxidative and anticancer activities of *Julbernardia globiflora* extract**
Hyun Ju Kwon, Dong-Eui University, South Korea

PB-04 **Title: Antioxidant and anticancer activities of *Sorbus rufopilosa extract* in human colon adenocarcinoma HT29 cells**
You Na Oh, Dong-Eui University, South Korea

PB-05	**Title: Surface charge engineering of nitric oxide-releasing polymeric nanoparticles: Adhesion and anti-biofilm efficacy against wound infection associated MRSA biofilm in db/db mice** **Nurhasni Hasan,** Pusan National University, South South Korea
PB-06	**Title: Biotechnological studies on some plant species able to be used for the remediation of pharmaceutical industry's wastewater** **Ana Despina Ionescu,** National Chemical-Pharmaceutical for Research and Development Institute, Romania
PB-07	**Title: Layer-by-layer coated dexamethasone microcrystals for experimental inflammatory bowel disease therapy** **Murtada A Oshi,** Pusan National University, South South Korea
PB-08	**Title: Biosynthesis of levan by using the strain *Zymomonas mobilis* ATCC 10988 in static and shaking fermentation** **Angela Casarica,** National Chemical-Pharmaceutical for Research and Development Institute, Romania
PB-09	**Title: Haemostatic activity of butanol extracts of *Lamium album* and *Lamium purpureum*** **Corina Bubueanu,** National Institute for Chemical-Pharmaceutical R&D, Romania
PB-10	**Title: An accelerator mass spectrometry-enabled micro-tracer study to evaluate the human mass balance of KD101, an anti-obesity drug under development** **Howard Lee,** Seoul National University College of Medicine and Hospital, South Korea
PB-11	**Title: Mebendazole in *giardiasis*: Systematic review and meta-analysis** **Pedro Almirall,** Ministry of Public Health of Cuba, Cuba
PB-12	**Title: A physiologically-based pharmacokinetic model adequately predicted the human pharmacokinetic profiles of YH4808, a novel potassium-competitive acid blocker, to treat gastric acid related diseases** **Hyun A Lee,** Seoul National University, South Korea
PB-13	**Title: Studies on extraction and *utilisation* of biologically active compounds from Capsicum genus in the pharmaceutical industry** **Roxana Madalina Stoica,** National Institute for Chemical-Pharmaceutical Research and Development-ICCF, Romania
PB-14	**Title: Comparative study on the growth and consumption curves of *Zymomonas mobilis* NCIB 1163 and *Z. mobilis* ATCC 10988, levan producer** **Georgiana Gabriela Iordache,** National Chemical-Pharmaceutical for Research and Development Institute, Romania
PB-15	**Title: Microdosing/microtracing clinical trials using accelerated mass spectrometry in clinical drug development** **Howard Lee,** Seoul National University College of Medicine and Hospital, South Korea
PB-16	**Title: Accelerator mass spectrometry-enabled microtracer study to evaluate the human mass balance of KD101: Method challenges for analysis of a volatile oil** **Howard Lee,** Seoul National University College of Medicine and Hospital, South Korea

Networking & Refreshment Break

Poster Presentation Slot II

Poster Judge: Mercedes Piedad de León-Bautista, Central adn, Mexico

WB 01	**Title: A framework for selecting analytical biomarkers: A first principles approach** **Samantha A Byrnes,** Intellectual Ventures Laboratory, USA
WB 02	**Title: Blood-based biomarkers of neuropsychiatric symptoms in Alzheimer's: Inflammation, vascular risks, gender and APOEε4 status** **James Hall,** University of North Texas Health Science Center, USA
WB 03	**Title: Expression of PD-L1 in relation to Human Papillomavirus (HPV) and p16 INK4a protein in primary and metastatic Squamous Cell Carcinomas of the Head and Neck (SCCHN)** **Dawn Sloane,** Companion Diagnostics, USA
WB 04	**Title: The fluctuations in homocysteine level caused by various combinations of folic acid cycle genes SNP alleles as a factor in the course of pregnancy violation** **Andrei V Ivanov,** University Hospital of Saint-Petersburg State University, Russia
WB 05	**Title: Cancer stem Cells as the target: Early detection for therapy** **Paola B Castro Garcia,** University of Guadalajara, Mexico
WB 06	**Title: Characterization of a microRNA expression signature associated with recurrence in oral cavity cancer patients** **Ashlin Ninibeth Lara-Holguin,** National Cancerology Institute, Mexico

WB 07	**Title: Gene expression profiling reveals novel candidate genetic biomarkers of ovarian carcinoma prognosis and metastasis** **Radka Vaclavikova,** National Institute of Public Health, Czech Republic
WB 08	**Title: Cardiac troponins and their predictive value of myocardial injury on model of chronic anthracycline cardiomyopathy** **Michaela Adamcova,** Charles University in Hradec Králové, Czech Republic
WB 09	**Title: RhoGDI3 and the novel role in carcinogenesis: Pancreatic Ductal Adenocarcinoma (PDAC)** **Rocío Thompson Bonilla,** ISSSTE, Mexico
WB 10	**Title: Serum EGF in non-small cell lung cancer: The biomarker value & the role of platelets** **Idania González-Pérez,** Centre of Molecular Immunology, Cuba
WB 11	**Title: Investigation of GGT5 and GGT7 mRNA expressions in patients with breast cancer** **Sevgi Yardim Akaydin,** Gazi University School of Pharmacy, Turkey
WB 12	**Title: Investigation of expression levels of DNA repair genes in molecular subtypes of breast cancer** **Ece Salihoğlu,** Gazi University School of Pharmacy, Turkey
WB 13	**Title: MicroRNA-9, MicroRNA-15b and MicroRNA-205 as biomarkers and metastasis regulators related to BRAF pathway genes in malignant melanoma** **Parisa Sahranavardfard,** Royan Institute for Stem Cell Biology and Technology, Iran
WB 14	**Title: The relationship of adiponectin, vitamin D, copper and zinc serum levels with rheumatoid arthritis** **Nahid Kianmehr,** Iran University of Medical Sciences, Iran
WB 15	**Title: UMELISA EGF®: The companion kit for CIMAvax-EGF® vaccine** **Idania González-Pérez,** Centre of Molecular Immunology, Cuba
WB 16	**Title: Fluorescence-conjugated CD166 Anti-peptide for detecting colorectal cancer stem-like tumor *in vivo*** **Siao Syun Guan,** Institute of Nuclear Energy Research, Taiwan
WB 17	**Title: Biomarker of breast cancer using SVM algorithm based on WXS data** **Gyu-Bum Han,** South Korea Advanced Institute for Science and Technology, South Korea
WB 18	**Title: Measurement of serum EGF levels, a methodological approach: Learning what means low-/high concentration of EGF in serum-Clinical implications** **Idania González-Pérez,** Centre of Molecular Immunology, Cuba

Panel Discussion

Day 3 December 09, 2017

Extending Networking & Lunch 12:30-13:30 @ SALAMANCA

Awards & Closing Ceremony

Scientific Program

8th International Conference and Exhibition on

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Registrations

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Opening Ceremony

Keynote Forum

Introduction

Volkmar Weissig
Midwestern University College of Pharmacy Glendale, USA

Peter Krajcsi
Solvo Biotechnology, Hungary

Networking & Refreshments Break

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

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-polypyrrole
Ehsan Shamaeli, Tarbiat Modares University, Iran

Networking & Refreshments Break

Track 4: Drug Targeting

Session Chair: Volkmar Weissig, Midwestern University College of Pharmacy Glendale, USA
Session Co-Chair: Osama Ibrahim, Bio Innovation, USA

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

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

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

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

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
Benedetta Santini, University of Milano-Bicocca, Italy

Networking & Refreshments Break

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 Gawrys, Mossakowski 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 ^{99m}Tc labeled methotrexate loaded chitosan nanoparticles for breast cancer diagnosis
Meliha Ekinci, 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

Poster Presentations

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 properities**
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 Baranauskaite, 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 Analogues**
Nehal Hany Aly Elghazawy, German University in Cairo, Egypt

PNDDS31 **Title: Comparison between two batches of Acetylsalycilic 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

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

Lunch Break

Young Researchers Forum

Title: Development of a peptide-based, multifunctional gene delivey vector for metastatic prostate cancer
Stephen Loughran, Queens 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

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Registrations

Jumeirah Ballroom-3

Opening Ceremony

Keynote Forum

Introduction

R N Saha
BITS Pilani Dubai Campus, UAE

Alex Nivorozhkin
Neo-Advent Technologies LLC., USA

Networking & Refreshments Break

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 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

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 bioavailabilty of Resveratrol: Transdermal, transmucosal and nanotechnology strategies
Hudson Caetano Polonini, Universityof Juiz de Fora, Brazil
Title: Composite Poly(methyl methacrylate)/Poly(ethylene glycol) electrospunnanofibrous mats as a novel wound dressing for controlled release of an Anti-scarring agent
Malihe-Sadat Poormasjedi-Meibod, 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 neutraceutical tablets of lyophilized nanoparticles of Zinc and Asparagus extracts
Sandeep Arora, Chitkara University, India

Networking & Refreshments Break

Title: Development of ligand-mediated drug delivery systems for cancer targeted imaging and therapy
Han-Chung Wu, Academia Sinica, Taiwan
Title: Enteric-coated Alendronate sodium solid lipid nanoparticle; A novel formula to overcome barriers for the treatment of osteoporosis
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 amorphousamorphous 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

Title: Bioactive peptides: Complex structures, synthesis and their controlled drug delivery
Rajiv Dahiya, Association of Pharmacy Professionals and Globus College of Pharmacy, India
Title: Guar gum revisited: Potential carrier for targeted drug delivery systems
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

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 antihepatotoxicdrugs 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

Lunch Break

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 omics 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

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

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

Poster Presentations PNDDS 01- PNDDS 20 @ Jumeirah Ballroom-3
Poster Presentations PNDDS 21- PNDDS 40 @ Jumeirah Ballroom-3

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 Kashi, 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

Networking & Refreshments Break

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 alkaloidic 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 Abubshait, University of Dammam, Kingdom of Saudi Arabia

Lunch Break

Young Researchers Forum

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

Networking & Refreshments Break

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

Panel Discussion

Award Ceremony

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