2nd International Conference on

PHARMACEUTICAL CHEMISTRY

October 02-04, 2017   Barcelona, Spain
Keynote Forum

Introduction

Title: New potent MKLP2 inhibitors in the paprotrain series with high anticancer activity in vivo: Design, Synthesis and Structure-Activity relationships
Catherine Guillou, University of Paris-Saclay, France

Title: Mutagenic Impurities in Pharmaceuticals: ICH M7, Purge Factors and the Mirabilis Project
Mark McLaughlin, Merck Sharp & Dohme, USA

Title: From para-aminobenzoic acid to small compounds with multiple biological properties
Gervais Bérubé, Université du Québec à Trois-Rivières, Canada

Group Photo

Networking and Refreshments Break

Sessions:
Drug Discovery and Development | Drug Designing Methodologies | Drug Delivery techniques
Session Chair: Catherine Guillou, University of Paris-Saclay, France
Session Co-chair: Zeeshan Ahmad, De Montfort University, UK

Session Introduction

Title: Isolation and Characterization Active Compound From Endophytic Fungi Onion Dayak {Eleutherineamericana (aubl.) Merr} as Antioxidant Activity
Shirly Kumala, Pancasila University Serengseng Sawah, Indonesia

Title: Phosphonate Congeners of Oseltamivir, Zanamivir and Peramivir as Effective Anti-Influenza Drugs
Jim-Min Fang, National Taiwan University, Taiwan

Title: Electrical Encapsulation Drug Delivery Techniques
Zeeshan Ahmad, De Montfort University, UK

Title: E-BABE- Kinetic binding assays for the analysis of protein–ligand interactions
Franz-Josef Meyer-Almes, University of Applied Sciences Darmstadt, Germany

Title: Utilizing eco-friendly nanoparticle techniques in improving drug delivery
Shaaban K Mohamed, Manchester Metropolitan University, UK

Title: Synthesis and biological evaluation of novel antimicrobial cell-penetrating cyclic peptides
Shaima El-Mowafi, National Research Centre, Egypt

Title: α-Methylacyl-CoA racemase (AMACR): Chemical biology approaches to novel prostate cancer drugs
Matthew D Lloyd, University of Bath, UK

Lunch Break

Session Chair: Xianglin Shi, Chemical Process R&D, Biogen Idec, USA
Session Co-chair: Gervais Bérubé, Université du Québec à Trois-Rivières, Canada

Session Introduction

Title: Peptidomimetic Study on Amyloid Fibril Formation by Alkene-type Dipeptide Isosteres
Tetsuo Narumi, Shizuoka University, Japan

Title: Development of Novel Petasis Reaction Methodologies for Efficient and Scalable Synthesis of Biologically Interesting Compounds
Xianglin Shi, Chemical Process R&D, Biogen Idec, USA

Title: Inclusion of divergent technologies in future point-of-care devices
Johann F. Osma, Universidad de los Andes, Colombia
Title: Pharmacological Evaluation of Sedative and Hypnotic Activity of Ethyl p-methoxycinnamate and N-hydroxyethyl-p-cinnamamide  
Nurmeilis, Syarif Hidayatullah State Islamic University, Indonesia

Title: Analysis of Cathinone and Cathine in Crimson and Green Catha edulis by GC-MS and Determination of The Spermicidal Activity  
Azrifitria, Islamic State University (UIN) Syarif Hidayatullah Jakarta, Indonesia

Title: Differentiation of Bovine and Porcine gelatin in vitamin C gummy by High Performance Liquid Chromatography using Principal Component Analysis  
Zilhadia, Syarif Hidayatullah Islamic State University, Indonesia

Networking and Refreshments Break

Sessions: Pharmaceutical Chemistry Novel Aspects | Prospectives of Medicinal Chemistry | Heterocyclic Chemistry | Pharmaceutical Analysis  
Session Chair: Mark McLaughlin, Merck Sharp & Dohme, USA  
Session Co-chair: Piotr Przybylski, Adam Mickiewicz University, Poland

Session Introduction

Title: Spermicidal and Antifertility Activity of Costus Spiralis Leaf Ethanolic Extract in Male Rats  
Azrifitria, Islamic State University (UIN) Syarif Hidayatullah Jakarta, Indonesia

Title: Synthesis, antibacterial and anticancer potency of new lactone and lactam macrolide derivatives  
Piotr Przybylski, Adam Mickiewicz University, Poland

Title: Hydrogen bonding interactions of tris and bis urea and thioureas with cyanide ligand in an analogue of the sub-site of [FeFe]-hydrogenase  
Faizah S Aljohani, Taibah University, Saudi Arabia

Title: Method Development and Validation of Lercanidipine in Human Plasma by Liquid Chromatography Tandem-Mass Spectrometry  
Yahdiana Harahap, Universitas Indonesia, Indonesia

Title: Synthesis and Discovery of Highly Potent Agents, Trifluoromethyl Containing Heterocycles Against Influenza Virus  
Satoshi Mizuta, Nagasaki University, Japan

Panel Discussion

Day 2 October 03, 2017

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Keynote Forum

Title: Novel sensitive sensors of intracellular viscosity and potential anticancer theranostic agents prepared on the porphyrin pigments platform for specifically personalized medicine  
Larisa Klapshina, Nizhny Novgorod State University, Russia

Title: Synthesis of indole derivatives through transition metals-catalyzed cyclization of 2-alkynylaniline derivatives.  
Fabio Marinelli, University of L'Aquila, Italy

Title: Plant molecules affecting female reproductive functions  
Alexander V Sirotkin, Constantine the Philosopher University and Research Institute of Animal Production, Slovakia

Networking and Refreshments Break

Sessions: Computational Chemistry and Chemical Biology | Natural Products Chemistry | Pharmaceutical Analysis  
Session Chair: Larisa Klapshina, Nizhny Novgorod State University, Russia  
Session Co-Chair: Marco Marazzi, University of Lorraine-Nancy & CNRS, France

Session Introduction

Title: Total Synthesis of Tiacumicin B Aglycone, a DFT-Guided Strategy  
Emmanuel Roulland, Université Paris Descartes, France

Title: Automated Drug Design of Kinase Inhibitors to treat Chronic Myeloid Leukemia  
Aramice Y S Malkhasian, King Abdulaziz University, Saudi Arabia
Title: DNA photosensitization: Irreversible lesions caused by non-covalent binding with organic dyes
Marco Marazzi, University of Lorraine-Nancy & CNRS, France

Title: Patent propensity, R&D and market competition: Dynamic spillovers of innovation leaders and followers
Alvaro Escribano, Universidad Carlos III de Madrid, Spain

Title: An Efficient One Pot Multicomponent synthesis Of Some Novel Substituted Imidazoles using Nano Zirconia Catalyst Under solvent Free Conditions: A Greener “NOSE” approach
Sundaram Singh, Indian Institute of Technology (BHU), India

Title: Towards improving in drug delivery using Silver nano-techniques
Shaaban K. Mohamed, Manchester Metropolitan University, UK

Title: Use of Curcumine, a Pharmacetically Useful Compound in Organic Reactions
Sangeeta Jagtap, PDEA’s Baburaoji Gholap College, India

Lunch Break

Poster Presentations

Poster Judge: Catherine Guillou, University of Paris-Saclay, France

PC001
Title: Nitroxide-modified chitosans with enhanced antioxidant potential
Vasily Sen, P.G. Demidov Yaroslavl State University, Russian Federation

PC002
Title: N-Aryl Effects on the Catalyst Reactivity of Imidazolylidene in a3→d3-Umpolung Addition: Structural Study and Mechanistic Investigation
Tetsuo Narumi, Shizuoka University, Japan

PC003
Title: Analysis of the polar solvents influence on the mechanism of the inhibited oxidation of unsaturated compounds
Sergey Lednev, P.G. Demidov Yaroslavl State University, Russian Federation

PC004
Title: Influence of solvation on the mechanism of the hydroperoxide radicals’ addition to the π-bonds of 1,2-and 1,4-diphenylbutadiyne-1,3
Roman Pliss, P.G. Demidov Yaroslavl State University, Russian Federation

PC005
Title: Mathematical Modelling of polychromatic light photokinetics
Mohammed Alqarni, De Montfort University, UK

PC006
Title: High-Throughput Screening to identify novel inhibitors of human α-methylacyl-CoA racemase 1A (AMACR; P504S)
Matthew D. Lloyd, University of Bath, UK

PC007
Title: The secrets and potential of a novel cyclic antimicrobial and cell penetrating peptide
Margitta Dathe, Leibniz Forschungsinstitute of Molecular Pharmacology, Germany

PC008
Title: Nitroxy radicals as antioxidants against lipid peroxidation: an in vitro study
Ivan Tikhonov, P.G. Demidov Yaroslavl State university, Russia

PC009
Title: Oxidative stress simulation by radical-chain oxidation of vinyl compounds
Evgeny Pliss, P.G. Demidov Yaroslavl State University, Russian Federation

PC010
Title: A novel one pot two-step strategy for regio-chemoselective synthesis of new 3-methyl6-arylpyridazine-4-carboxamides and 5-oxo-3-aryl-5,6-dihydropyrido[4,3-c]pyridazine-8-carbaldehydes
Ali Aghaye Lotf va Ata, Urmia University, Iran

PC011
Title: Synthesis of some novel 2-(substituted thio)-N-(5-methyl-4-phenylthiazol-2-yl)acetamide and anticancer activity evaluation
Asaf Evrim EVREN, Anadolu University, Turkey

PC012
Title: Synthesis of some novel N-(6-substituted benzothiazole-2-yl)-2-(4-substituted piperazin-1-yl)assemamide derivatives and evaluation their anticancer activity
Büsra EKSELLI, Anadolu University, Turkey

PC013
Title: Conjugated nitroalkenes in reactions with azomethine imines: Synthesis of tetrahydropyrazolo[1,2-a]pyrazolone derivatives
Nikolay S Zimnitskiy, Ural Federal University, Russia
An optimized process for supercritical CO2 extraction of high-value components from Artemisia annua L for cosmetic applications

Rosana M Alberici Oliveira, University of Campinas –UNICAMP, Brazil

Fingernails: Development and validation of a rapid and sensitive method for quantification of cocaine by LC-ESI-MS/MS

Heliara Nascimento, ThoMson Mawss Spectrometry Laboratory-UNICAMP, Brazil

Title: Manganese-catalysed hydroperoxidation of carbon–carbon double bonds using molecular oxygen present in air and hydroxylamine under ambient conditions

Daisuke Yamamoto, Kitasato University, Japan

Synthesis And Molecular Docking Of Novel Non-Cytotoxic, Anti-Angiogenic Sulfonyl Coumarin Derivatives Against Hepatocellular Carcinoma Cells In Vitro

Eslam EL-SAWY, National Research Centre, Egypt

Title: 3-Nitro-2-(trihalomethyl)-2H-chromenes in Reactions with 1,3-Dipoles: Synthesis and Cytotoxic Activity of D3-Annulated Chromane Derivatives

Vladislav Yu Korotaev, Ural Federal University, Russia

Computational modeling of Cu@furfural imine-decorated Linateoysites as the efficient catalyst in regioselective synthesis of triazoles

Tayebeh Hosseinnejad, Alzahra University, Iran

Structural studies of the novel antibacterial target MraY and its interaction with the natural inhibitor compound tunicamycin

Gisela Brändén, University of Gothenburg, Sweden

Synthesis and screening of ursolic acid-benylidine derivatives as potential anti-cancer agents

Wajaht Amin Shah, University of Kashmir, India

Rapid and sensitive method for simultaneous determination of first-line anti-tuberculosis drugs in human plasma by HPLC-MS/MS: Application to therapeutic drug monitoring

Shouhong GAO, Shanghai Changzheng Hospital, China

Homology modeling of different leismanolysin (gp63) from leishmania spp. and molecular docking of flavonoids

Jairo Mercado-Camargo, Universidad de Cartagena, Colombia

An in silico approach to discovering inhibitors of trypanothione reductase from leishmania (viannia) panamensis

Leonor Cervantes-Ceballos, Universidad de Cartagena, Colombia

In vitro evaluation of cytotoxicity and leishmanicidal activity of terpens isolated from the leaves of malachra alceifolia

Harold Gómez-Estrada, Universidad de Cartagena, Colombia

Cascade approach to modification of lactone macrolide antibiotics

Krystian Pyta, Adam Mickiewicz University, Poland

Sizing α, β and Υ Cyclodextrins by Capillary Electrophoresis and Indirect UV Detection

Yin Zhou, The University of British Columbia, Canada

Novel Quinazoline Derivative as RAF Inhibitor

Shih-Chieh Yen, Development Center for Biotechnology, Institute of Pharmaceutics, Taiwan
Title: Determination of heavy metal (PB) content in mineral water produced in IRAN by Flameless Atomic Absorption Spectroscopy (FAAS)
Rasoul Kazemi, Azad University, Iran

Title: Synthesis of novel Spiro dipyrrozolo[3,4-b: 4',3'-e]pyridine
Bahman Ebrahimi Saatlu, University of Urmia, Iran

Title: DBU/H₂O as an Efficient, Eco-friendly and Inexpensive Catalyst for Transesterification and Transacylation Reactions
Elaheh Akbarzadeh, Islamic Azad University, Iran

Title: Ab initio and DFT study of energetic, stability, and nuclear magnetic resonance of BN nanotube
Elham Pournamdar, Islamic Azad University, Iran

Title: In vitro antiproliferative, antioxidant, and apoptosis-inducing activities of dried flower buds of clove extract on human gastric carcinoma
Ali Karimi, Shahrekord University of Medical Sciences, Iran

Title: Synthesis and cytotoxic properties of new derivatives of dicarboximides
Mariola Napiórkowska, Medical University of Warsaw, Poland

Title: Discovery of novel aryl hydrocarbon receptor (AhR) antagonists using homology modelling and ligand-based drug design
Carlos Henrique Tomich de Paula da Silva, University of São Paulo, Brazil

Day 3 October 04, 2017
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Sessions: Pharmaceutical Chemistry Novel Aspects | Prospectives of Medicinal Chemistry | Drug Designing Methodologies | Pharmaceutical Analysis

Session Chair: Francisco Alonso, Universidad de Alicante/ Instituto de Síntesis Orgánica, Spain
Session Co-Chair: Alexander V. Sirotkin, Constantine the Philosopher University and Research Institute of Animal Production, Slovakia

Session Introduction

Title: Copper nanoparticles in organic synthesis
Francisco Alonso, Universidad de Alicante/ Instituto de Síntesis Orgánica, Spain

Title: Rational Design and Synthesis of Innovative RNA Ligands to Target HCV Internal Ribosome Entry Site
Mauro Safi Filho, Universite Côte d’Azur, France

Title: Synthesis of 5,6-Diaryl-1,2,4-triazine derivatives with ethyl acetate moiety as novel neuroprotective agents against H2O2 and Aβ-induced neurotoxicity
Hamid Irannejad, Mazandaran University of Medical Sciences, Iran

Networking and Refreshments Break

Title: PELE Studio: The next generation drug design software
Victor Guallar, Barcelona Supercomputing Center, Spain

Title: Chemical constituents from the rhizomes of Curcuma zedoaria and assessment of their biological activities
Omer Abdalla Ahmed Hamdi, Alneelain University, Sudan

Title: Inorganic Pharmaceuticals: DNA-binding and anticancer activity of new compound
Sartaj Tabassum, King Saud University, Saudi Arabia

Title: Inhibition of immunodeficiency type-1 virus (HIV-1) life cycle by magnetic water
Mandana Behbahani, University of Isfahan, Iran

Title: Synthesis of new series of pyrazolo[3,4-b][1,6]naphthyridine in presence of nano-Al2O3
Fatemeh Majidi Arlan, University of Urmia, Iran