

Joint Conference

4th International Congress on

Drug Discovery, Designing and Development

&

International Conference and Exhibition on

Biochemistry Molecular Biology: R&D

November 02-03, 2017 Chicago, USA



Day 1 AGENDA

November 02, 2017

08:30-09:00 Registrations & Souvenir Distribution

Zurich

09:00-09:15

Opening Ceremony

KEYNOTE FORUM

09:15-09:55

Title: Inhibition of protein tyrosine phosphatase-1B *in vitro* and *in vivo*

Marvin W. Makinen, The University of Chicago, USA

09:55-10:35

Title: Drug discovery informatics for collaborative teams: Innovations available today and planned for tomorrow

Luke S Fisher, Collobarative Drug Discovery, USA

Group Photo

Panel Discussion

Coffee & Networking 10:35-10:50 @ Foyer

10:50-11:30

Title: Development of Somatostatin Subtype 4 (SST4) agonists for potential use in Alzheimer's disease

Michael Crider, Southern Illinois University, USA

11:30-12:10

Title: Innovative patient-centric service model helps speed patient recruitment and increase retention in virtual and traditional study designs

Gail Adinamis, GlobalCare Clinical Trails, USA

SPEAKER FORUM

Session: 01

Drug Discovery and Development | Computer Aided Drug Design (CADD) | Medicinal Chemistry in Modern Drug Discovery | Drug Metabolism and Drug Designing



Chair: Mariana Babayeva, Touro College of Pharmacy, USA



Co-chair: Sika Zheng, University of California, Riverside, USA

12:10-12:35

Title: A non-conventional therapeutic approach to epilepsy in children

Mariana Babayeva, Touro College of Pharmacy, USA

12:35-13:00

Title: Small molecule pro-neurotrophic therapeutic activity in murine models of Alzheimers disease

Stuart Maudsley, Universiteit Antwerpen, Belgium

Lunch Break 13:00-14:00 @ Athens

14:00-14:25 **Title: Strategies for pathology-Activated generation of reelin trafficking modulators for altering late-onset Alzheimer's disease progression**

Ronald A Hill, The University of Louisiana, USA

14:25-14:50 **Title: Effect of manufacturing process and container closure configurations on critical quality attributes of generic parenteral drug product – A case study of pH**

Lakshmi Prasanna Kolluru, Medefil Inc., USA

14:50-15:15 **Title: Investigation of the biochemical mechanism of action of antioxidants in the prevention of cancer**

Kissi Mudie Yesu, Ethiopian Public Health Institute (EPHI), Ethiopia

15:15-15:40 **Title: Nanostructured Lipid Carriers (NLC)-Based gel for the topical delivery of azelaic acid: Designing, characterization and *in-vitro* evaluation**

Deepinder Singh Malik, Punjabi University, India

Panel Discussion

Coffee & Networking 15:40-16:00 @ Foyer

Session: 02

Biochemistry | Clinical & Structural Biochemistry | Glycoproteomics and Protein Expression | Gene Expression and Genetic Engineering | Amino Acids & RNA Biology

16:00-16:25 **Title: Regulation of the activity of the promoter of RNA-induced Silencing, C3PO**

Suzanne Scarlata, Worcester Polytechnic Institute, USA

16:25-16:50 **Title: Physical forces cause *HoxD* gene cluster elongation**

Spyros Papageorgiou, National Center for Scientific Research-Demokritos, Greece

16:50-17:15 **Title: Neuron-specific regulation of alternative pre-mRNA splicing**

Sika Zheng, University of California, Riverside, USA

17:15-17:40 **Title: The new role of lipin1 in myogenic progenitor differentiation to muscle and adipose tissues**

Hongmei Ren, Wright State University, USA

Panel Discussion

Day 2 AGENDA

November 03, 2017

Zurich

KEYNOTE FORUM

09:00-09:40

Title: Unlocking the membrane proteome: New opportunities for diagnostics and therapeutics

Robert M. Stroud, University of California at San Francisco, USA

09:40-10:20

Title: Just right: Process from drug discovery to development

Elizabeth Kwong, Kwong Eureka Solutions, Canada

Panel Discussion

Coffee & Networking 10:20-10:40 @ Foyer

10:40-11:20

Title: New strategy for discovering biologically active small molecules

Makoto Ubukata, Hokkaido University, Japan

11:20-12:00

Title: Nanoemulsion-Based therapies: Antimicrobial, anti-inflammatory and drug delivery properties

Susan Ciotti, NanoBio Corporation, USA

SPEAKER FORUM

Session: 01

Metabolic & Animal Biochemistry | Molecular Biology | Novel Therapeutics in Drug Designing | Nanotechnology in Drug Discovery & Biochemistry



Chair: Spyros Papageorgiou, National Center for Scientific Research-Demokritos, Greece



Co-chair: Ronald A Hill, The University of Louisiana, USA

12:00-12:25

Title: Hydralazine induces stress resistance and extends lifespan in *C. elegans* via Nrf2/SKN-1 pathway

Hamid Mirzaei, University of Texas Southwestern Medical Center, USA

12:25-12:50

Title: Nanomaterial regulates the radiosensitivity in colorectal cancer cells

Shengfang Ge, Shanghai JiaoTong University School of Medicine, China

12:50-13:15

Title: Molecular changes in penumbra after focal photothrombotic stroke in the rat cerebral cortex

Anatoly B. Uzdensky, Southern Federal University, Russia

Video Presentations & Lunch Break 13:15-14:15 @ Athens

Title: Free radicals production in rat's gastric mucosa during chronic nitrate intoxication

Akimov O Ye, Ukrainian Medical Stomatological Academy, Ukraine

Title: Angiopoietin-like 4 as promoter of angiogenesis and vascular permeability

Silvia Montaner, University of Maryland, USA

Session: 02

Pharmaceutical Research & Development | Clinical Trials & Regulatory Affairs | Drug Discovery in Preclinical Research | Novel Therapeutics in Drug Designing | Nanotechnology in Drug Discovery

14:15-14:40

Title: The study on the effect of non-enzymatic glycation on the interaction of human serum albumin and sodium-fluorescein, via spectroscopic analyses

Priyankar Sen, VIT University, India

14:40-15:05

Title: *In silico* and *in vivo* assays of a borinic DOPA-Derivative for Parkinson disease

Marvin A. Soriano-Ursúa, Instituto Politécnico Nacional, Mexico

15:05-15:30

Title: Hepatoprotective activity of aqueous seed extract of *Nigella sativa* against highly active antiretroviral therapy induced hepatotoxicity in rats

Kissi Mudie Yesu, Ethiopian Public Health Institute (EPHI), Ethiopia

15:30-15:55

Title: Novel synthetic inhibitors of eosinophils with potential anti-asthmatic activity

Tarek Aboul-Fadl, Assiut University, Egypt

15:55-16:20

Title: Chemical composition, antioxidant and antibacterial activity of *Thuja orientalis* essential oil

Wajath Shah, University of Kashmir, India

Panel Discussion

16:40-17:05 **Title: Modified glycol chitosan nanocarriers carry hydrophobic materials into tumours**

Akhtar Aman, Shaheed Benazir Bhutto University, Pakistan

17:05-17:30 **Title: Rational design of guanylthiourea derivatives as antimalarial agents**

Shweta Bhagat, National Institute of Pharmaceutical Education and Research (NIPER), India

17:30-17:55 **Title: Anti-obesity activities of xanthorrhizol in 3T3-L1 adipocytes**

Seok Fang Oon, University of Putra Malaysia, Malaysia

Poster Presentations @ 17:55-18:20

P 01

Title: A comprehensive *in silico* analysis on the structural and functional impact of SNPs in the congenital heart defects associated with *TBX5* gene: A molecular dynamic simulation approach

Firoz Abdul Samad, Taibah University, Saudi Arabia

P 02

Title: Present and future collaborative drug discovery informatics innovations

Luke Fisher, Collobarative Drug Discovery, USA

P 03

Title: *In silico*, *in vitro* and *in vivo* studies for analyzing the propranolol action on cholinergic and carbonic anhydrase systems

Emily L. Castillo-García, Instituto Politécnico Nacional, Mexico

P 04

Title: Synthesis and cytotoxic activity screening of novel piperazinyl pyrimidine derivatives

Meric Koksala, Yeditepe University, Turkey

Panel Discussion

Awards & Closing Ceremony

