



III *International conference on*
CLINICAL SCIENCES
&
DRUG DISCOVERY



November 09-11
2017



Sheraton Reston Hotel
11810 Sunrise Valley Dr, Reston
VA 20191
USA

Day-1 | November 09, 2017

08:00 - 08:30 Introduction

Keynote Session

08:30 - 09:00 **New paradigms in GPCR drug discovery**
Kenneth A. Jacobson, NIH, USA

09:00 - 09:30 **Targeted imaging and therapeutic agents for cancer, autoimmune and inflammatory diseases**
Philip S. Low, Purdue University, USA

09:30 - 10:00 **The comprehensive solution to characterise and treat every disease**
Ram Samudrala, University at Buffalo, Buffalo, USA

10:00 - 10:30 **Chemistry and health: Now is the time for a comprehensive approach**
Stephen Matlin, Imperial College London, UK

10:30 - 10:50 Coffee Break

10:50 - 12:50 Technical Session I

10:50 - 11:10 **Evaluating CNS pharmacology to improve drug delivery to brain tumors**
Sadhana Jackson, NCI/NIH, USA

11:10 - 11:30 **Novel computational chemogenomics knowledge bases target hunter for system pharmacology drug discovery and translational research**
Xiang-Qun (Sean) Xie, NIH/NIDA USA

11:30 - 11:50 **Normalizing urine exosome biomarkers: a second look at hidden gems**
Peter Yuen, NIH/NIDDK, USA

11:50 - 12:10 **Non-inhibitory pharmacological chaperones of glucocerebrosidase for the treatment of gaucher's and parkinson's disorders**
Juan Jose Marugan, NCATS/NIH, USA

12:10 - 12:30 **Antiviral nucleoside phosphonate prodrugs: Potency amplifiers**
Charles McKenna, University of Southern California, USA

12:30 - 12:50 **Safety of current cancer drugs and vaccines and future perspectives for a healthier society**
Mahin Khatami, NIH, USA

12:50 - 13:40 Lunch

13:40 - 17:40 Technical Session II

13:40 - 14:00 **New structure based drug discovery opportunities for GPCRs and Transporters**
Sid Topiol, 3D-2Drug LLC, USA

14:00 - 14:20 **Toward a functional cure for HIV/AIDS: Regulatory interactions between RNA and the HIV restriction factor APOBEC3G**
Harold C. Smith, University of Rochester, USA

14:20 - 14:40 **Hydrogen/deuterium ratio is a key regulator of cell proliferation and metabolism – Drug development on submolecular basis**
Somlyai Gabor, HYD Pharma Inc., Hungary

14:40 - 15:00 **Bisphosphonates: bones and beyond**
Graham Russell, Oxford University, UK

15:00 - 15:20 **New drug candidates for liposomal delivery identified by computer modeling of liposomes' remote loading and leakage**
Amiram Goldblum, The Hebrew University of Jerusalem, Israel

15:20 - 15:40 Coffee Break

15:40 - 16:00 **Privileged structures: a versatile concept to explore new chemical space with medicinal chemistry utility**
Jorg Benningshof, Mercachem, The Netherlands

16:00 - 16:20 **Understanding human norovirus nucleotydylation: Potential target for intervention?**
Brent E. Korba, Georgetown University, USA

16:20 - 16:40 **Novel treatment strategies for smooth muscle disorders: Targeting Kv7 potassium channels**
Kenneth L. Byron, Loyola University Chicago, USA

16:40 - 17:00 **Antiplasmodial activity and cytotoxicity of lapachol and synthetic related naphthoquinones**
Alaíde Braga de Oliveira, Universidade Federal de Minas Gerais – UFMG, Brazil

17:00 - 17:20 **Targeted nanotherapies for neuroinflammation: novel therapeutics for CNS disorders**
Kannan Rangaramanujam, Johns Hopkins School of Medicine, USA

17:20 - 17:40 **A rapid-evolving small RNA based immune system targeting avian leukosis virus in chickens**
Xin Li, University of Rochester, USA

17:40 - 18:30 Poster Presentations

Day-2 | November 10, 2017

09:00 - 12:40 Technical Session III

- 09:00 - 09:20 **Hydralazine induces stress resistance and extends lifespan in *C. elegans* via Nrf2/SKN-1 pathway**
Hamid Mirzaei, UT Southwestern Medical Center, USA
- 09:20 - 09:40 **Can lipid nanoparticles improve intestinal absorption?**
Carla Vitorino, University of Coimbra, Portugal
- 09:40 - 10:00 **A trisaccharide analog that Acts as a TLR-4 agonist: A potential vaccine adjuvant?**
Cecilia H. Marzabadi, Seton Hall University, USA
- 10:00 - 10:20 **Tissue models for drug screening against cancer stem cells**
Esmaiel Jabbari, University of South Carolina, USA
- 10:20 - 10:40 **The essential role of pharmacology in discovery translational research**
Giora Z. Feuerstein, Temple University, USA

10:40 - 11:00 *Coffee Break*

- 11:00 - 11:20 **Delineating ligand binding to the human cytochrome P450 3A4**
Maria Kontoyianni, Southern Illinois University Edwardsville, USA
- 11:20 - 11:40 **Neutrophil gelatinase-associated lipocalin in urine as a non-clinical safety biomarker for acute kidney injury**
Kiyonori Kai, Daiichi Sankyo Co., Ltd., Japan
- 11:40 - 12:00 **High levels of serum lipid peroxides and protein carbonyls in mild dengue fever verses severe dengue**
Sunil Premawansa, University of Colombo, Sri Lanka
- 12:00 - 12:20 **Advanced machine learning to boost the accuracy of scoring function**
X. Simon Wang, Howard University College of Pharmacy, USA
- 12:20 - 12:40 **Anti-cancer effects of Marijuana and Hemp**
Wasana Sumanasekera, Sullivan University College of Pharmacy, USA

12:40 - 13:30 *Lunch*

13:30 - 15:50 Technical Session IV

- 13:30 - 13:50 **Discovery of novel reactivators for DFP-inhibited acetylcholinesterase using in silico pharmacophore modeling**
Apurba K Bhattacharjee, Georgetown University, USA
- 13:50 - 14:10 **Study design and analysis for multistage clinical proteomic studies**
Irene Suilan Zeng, University of Auckland, New Zealand

- 14:10 - 14:30 **Discovery of novel small molecules and targets for neuro-degenerative diseases through yeast based phenotypic screening**
Bhaumik Pandya, Yumanity Therapeutics, USA
- 14:30 - 14:50 **Novel phosphatidylinositol 4-kinase IIIb inhibitors as potential therapeutics**
Radim Nencka, Gilead Sciences & IOCB Research Centre, Czech Republic
- 14:50 - 15:10 **Herbal remedies for mandibular fracture healing**
Shadab Mohammad, King George's Medical University, India
- 15:10 - 15:30 **Chemoecology guided discovery of drug leads from south china sea marine invertebrates**
Yue-Wei Guo, Chinese Academy of Sciences, China
- 15:30 - 15:50 **A Chemist's view of animal disease models for drug screening**
Takashi Tsukamoto, Johns Hopkins University, USA

15:50 - 16:10 Coffee Break

16:10 - 17:25 Young Researchers Forum

- 16:10 - 16:25 **Modulating supramolecular nanostructures cross-linked by hyaluronic acid derivatives for drug delivery**
Tania. F .G. G. Cova, University of Coimbra, Portugal
- 16:25 - 16:40 **Extended release of venlafaxine hydrochloride using Montmorillonite based excipients as a delivery vehicle**
Shilpa Jain, University of Delhi, India
- 16:40 - 16:55 **Bioanalytical method development, validation & pharmacokinetics study of 5-Fluorouracil loaded nanoparticles**
Saurabh Srivastava, King George's Medical University, India
- 16:55 - 17:10 **The facial-Re(CO)₃ core based luminophores as non-toxic bio-imaging agents**
Deepak Gupta, University of Delhi, India
- 17:10 - 17:25 **Drug Addiction and Oral Health Complications in India**
Sana Farooqui, King George's Medical University, India

09:00 - 13:40 **Technical Session V**

- 09:00 - 09:20 **High throughput screening identifies an anti-ebola lead compound**
Ryan P. Bennett, OyaGen, Inc., USA
- 09:20 - 09:40 **Hypoxia inducible factor 1: A urinary biomarker of kidney disease**
Movafagh S, Shenandoah University, USA
- 09:40 - 10:00 **Neointimal caveolin-1 loss may in part facilitates metabolic shift in pulmonary arterial hypertension**
Rajamma Mathew, New York Medical College, USA
- 10:00 - 10:20 **p-coumaric acid, main active compound isolated from Bambusae Caulis in Taeniam suppresses cigarette smoke-induced lung inflammation**
Jinju Kim, Kyung Hee University, Republic of Korea
- 10:20 - 10:40 **Stability and activity of nano-crystalized camptothecin**
James Liang, Stevens Institute of Technology, USA
- 10:40 - 11:00 Coffee Break*
- 11:00 - 11:20 **Restoring FMRP expression: an alternative treatment strategy for fragile X syndrome**
Daman Kumari, NIDDK/NIH, USA
- 11:20 - 11:40 **Synthesis of Ofornine mimics from natural product l-Vasicine as anti-hypertensive agents**
Abdul Rouf, University of Florida, USA
- 11:40 - 12:00 **Synthesis and biological evaluation of some novel N-methylenebenzenamine**
Sushant Kumar Shrivastava, Indian Institute of Technology (BHU), India
- 12:00 - 12:20 **Structural Insight for the optimization of natural product-like library design as successful applications in discovery screening of anti-inflammatory compounds**
Rosanna Filosa, University of Naples, Italy
- 12:20 - 12:40 **Surveillance for hepatitis B virus surface antigen in a northern Nigerian population: An advocacy for aggressive vaccination**
Mukhtar Dauda, Bayero University, Nigeria
- 12:40 - 13:00 **Identification of novel inhibitors for the most aggressive and lethal prostate cancer subtype 1**
Kirsi Ketola, Vancouver Prostate Centre, Canada
- 13:00 - 13:20 **Selective molecular recognition of G-quadruplex DNA using small molecules: Insights on G-quadruplex stabilization and anticancer effects of some novel amino substituted thymoquinone derivatives**
Alaa Eldin Salem, United Arab Emirates University, UAE

13:20 - 13:40 **Recombinant expression and biophysical characterization of a novel universal stress protein G4LZI3 from Schistosoma mansoni towards vaccine development**
Abidemi Paul Kappo, University of Zululand, South Africa

13:40- *Lunch & Departure*

Poster Presentations

P-01 **Consensus comparative modeling to construct structural models of human C-C Chemokine Receptor 4 (CCR4) to discover small-molecule therapeutics to treat cancer metastasis**

Jeffery J. Bullock, Howard University, USA

P-02 ***In vitro* efficacy of a novel RNA-dependent RNA polymerase inhibitor against a broad range of RNA viruses**

Elena Postnikova, NIH, USA

P-03 **Structural and functional characterization of a novel endogenous steroid, Estradienolone (ED), in Human pregnancy urine**

Faegheh Ghanbari, McGill University, Canada

P-04 **Transition metal and photocatalyst-free perfluoroalkylation reactions of organic sulfides with relevant biological activity**

Damian E. Yerien, Universidad de Buenos Aires, Argentina

P-05 **Ferumoxytol nanoparticles enable imaging of brain tumor-associated neuro inflammation**

Heather L. McConnell, Oregon Health and Science University, USA

P-06 **A genome-wide screening of antifungal drug target genes in fission yeast**

Sol Lee, Chungnam National University, South Korea

P-07 **Protein kinase selectivity analysis based on the topological water networks**

Myeong Hwi Lee, Chungnam National University, South Korea

P-08 **Enhancement of expression level and stability of hEC-SOD3 by conjugating human serum albumin**

Eun Yeong SONG, Chungnam National University, South Korea

P-09 ***In vitro* glucuronidation of icaritin by human liver microsomes, human intestine microsomes and expressed UDP-glucuronosyltransferase enzymes: contribution of individual enzymes, reaction kinetics and activity correlation**

Zhihong Yao, Jinan University, China

P-10 **Biochemical Investigation of the Interaction between selected divalent cations and the novel Schistosoma mansoni Universal Stress Protein G4LZI3**

Priscilla Masamba, University of Zululand, South Africa

P-11 **Identification of ESE-1 as a tumor suppressor in lung cancer**

Zhiyuan Lou, University of Maryland, USA

- P-12 **Brusatol downregulate HER1 signalling pathway via NRF2-mediated inhibition leading to reduced ovarian cancer proliferation**
Ibrahim H. Kankia, Abertay University, UK
- P-13 **Pharmacokinetics of Tafamidis in Rats**
Jong-Woo Jeong, Chungnam National University, South Korea
- P-14 **Inhibitory activity of snail mucus on bacteria obtained from infected wounds**
Godwin Attah Obande, Federal University, Nigeria
- P-15 **The study on controllable vasculature by enzyme responsive peptides-modified alginate**
Wei Wang, Nankai University, China

Note : This Program is tentative and subject to change

We wish to see you at CSDD-2018



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