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| Drug Discovery and Development Colloquium (DDDC) 2017  Agenda  I. Dodd Wilson Building, UAMS, Little Rock, AR | |
| “Better Drugs for Better Life” | |
| Thursday, June 15, 2017 | |
| 02:00pm - 05:30pm | Registration (IDW foyer) |
| 04:00pm - 04:15pm | Welcome and Opening Remarks (IDW 126)  Keith Olsen, Pharm. D, Dean, College of Pharmacy, University of Arkansas for Medical Sciences, Little Rock, AR  Cesar Compadre, Ph.D., Professor, University of Arkansas for Medical Sciences, Little Rock, AR  Ujwani Nukala, Ph.D. Candidate, University of Arkansas for Medical Sciences and University of Arkansas at Little Rock, AR Little Rock, AR |
| 04:15pm - 05:15pm | **KEYNOTE PRESENTATION (IDW 126)**  The Critical Role of Clinical Pharmacology in Drug Development: A Case Study of Monoclonal Antibody IV to SC Switch  **Adel H. Karara**, Ph.D., Professor, Pharmaceutical Sciences, University of Maryland Eastern Shore, University in Princess Anne, MD |
| 05:30pm - 07:00pm | Poster Session and Reception (IDW foyer) |
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| Friday, June 16, 2017 | |
| 07:30am -12:00am | Registration (IDW foyer) |
| 07:30am - 08:00am | Breakfast (IDW 114 A/B) |
| 08:00 am - 09:00am | **KEYNOTE PRESENTATION (IDW 126)**  “Better Drugs for Better Life”. Can FDA Help?  **William Slikker Jr.,** Ph.D.,Director, National Center for Toxicological Research, US FDA, Jefferson, AR |
| 09:00 am- 09:15am | Coffee Break (IDW |
| SESSION – 1 (IDW 126) | |
|  | **Session Chair:** **Gauri Lamture**, Ph.D. Candidate, University of Arkansas for Medical Sciences, Little Rock, AR |
| 09:15 am - 09:45 am | **Featured Speaker - 1**  Utility of Mutant Profilin1 Transgenic Mouse Model for Motor Neuron Disease in Drug Discovery  **Mahmoud Kiaei**, Ph.D., Associate Professor, College of Medicine, University of Arkansas for Medical Sciences, Little Rock, AR |
| 09:45 am- 10:00 am | Role of Histidine 547 of Human Dopamine Transporter in Molecular Interaction with HIV-1 Tat and Dopamine Uptake  **Yaxia Yuan**, Ph.D., Post-Doctoral Fellow, University of Kentucky, Lexington, KY |
| 10:00 am -10:15 am | Development of a Fluorescent Polarization Assay For High Throughput Screening to Identify Small Molecule Inhibitors of ASH2L Association with DPY30  **Robert Whitaker**, Ph.D., Post-Doctoral Fellow, University of Birmingham, AL |
| 10:15 am -10:30 am | Pharmacological and Toxicological Evaluation of Diallyl Sulfide (DAS) Analogs For The Prevention of Alcohol- and other Xenobiotics-Induced Toxicity  **Mohammad Arif Rahman**, Graduate Student, University of Tennessee Health Science System, Memphis, TN |
| 10:30 am -10:45 am | Break |
| SESSION - 2 (IDW 126) | |
|  | **Session Chair:** **Skyler Conner**, Graduate Student, University of Arkansas for Medical Sciences, Little Rock, AR |
| 10:45 am -11:15 am | **Featured Speaker - 2**  Regulatory Toxicogenomics, Reproducibility and a Wedding Cake Principle  **Weida Tong**, Ph.D., Director, Division of Bioinformatics and Biostatistics, National Center for Toxicological Research, Jefferson, AR |
| 11:15 am -11:30 am | Standardization of Data Elements For Drug Development and Regulatory Decision Making in Mental Health  **Anita Walden**, Ph.D., Instructor, Biomedical Informatics, University of Arkansas for Medical Sciences, Little Rock, AR |
| 11:30 am -11:45 am | *In silico* Drug Repositioning for Rare Disease at NCTR/FDA  **Zhichao Liu**, Ph.D., Principle Investigator, Division of Bioinformatics and Biostatistics, National Center for Toxicological Research, Jefferson, AR |
| 11:45 am -12:00 pm | Grab your lunch (IDW Foyer) |
| 12:00 pm - 01:00 pm | **KEYNOTE PRESENTATION (IDW 126)**  Structure and Mechanism Based Drug Design, Discovery and Development  **Chang-Guo Zhan**, Ph.D., Professor, Department of Pharmaceutical Sciences, College of Pharmacy, University of Kentucky, Lexington, KY |
| 01:00 pm – 01:10 pm | Break |
| SESSION – 3 (IDW 126) | |
|  | **Session Chairs**: **Brian Devalan**, Graduate Student, National Center for Toxicological Research, Jefferson, AR |
| 01:10 pm - 01:40 pm | **Featured Speaker- 3**  Using Peptide to Explore Novel Therapeutic Targets  **William J. Placzek**, Ph.D., *Assistant Professor, Department of Biochemistry and Molecular Genetics, University of Alabama, Birmingham, Alabama* |
| 01:40 pm - 01:55 pm | Neuroprotective Effects of Tauroursodeoxycholic Acid (Tudca) In a Chronic Mouse Model of Parkinson Disease  **Sumit Sarkar**, Ph.D., Staff Fellow, Division of Neurotoxicity, National Center for Toxicological Research, Jefferson, AR |
| 01:55 pm - 02:10 pm | Exploring the anti-cancer mechanism of action of JVM 355, a novel sesquiterpene lactone dimer  **Gauri Lamture**, Ph.D. Candidate, University of Arkansas for Medical Sciences, Little Rock, AR |
| 02:10 pm - 02:25 pm | Break |
| SESSION – 4 (IDW 126) | |
|  | **Session Chair: Julia Tobacyk**, Graduate Student, University of Arkansas for Medical Sciences, Little Rock, AR |
| 2:25 pm -2:55 pm | **Featured Speaker - 4**  Semisynthetic Sesquiterpene Lactones as New Anticancer Agents  **Peter Crooks**, Ph.D., Professor, University of Arkansas for Medical Sciences, Little Rock, AR |
| 2:55 pm - 3:10 pm | Post-transcriptional Modulation of MCL1 by PTBP1 Regulates Cellular Apoptosis Induced by Antitubulin Chemotherapeutics  **Jia Cui,** Graduate Student, University of Alabama, Birmingham, AL |
| 3:10 pm - 3:25 pm | Not all Vitamin E’s Tocols are Created Equally.  **Ujwani Nukala,** Ph.D. Candidate, University of Arkansas at Little Rock, AR |
| 03:25 pm - 03:40 pm | Break |
| 03:40 pm - 04:00 pm | The Development and Application of Cytochrome P450-Expressing Hepatic Cell Lines for the Study of Metabolism-Associated Drug-Induced Liver Injury  **Zhen Ren**, Ph.D., Post-Doctoral Fellow, National Center for Toxicological Research, Jefferson, AR |  |  |
| 04:00 pm - 4:20 pm | δ-Tocotrienol-Mediated Protection Against Radiation-Induced Injury Is Dependent On C/Ebpδ  **Sudip Banerjee**, Ph.D., Post-Doctoral Fellow, University of Arkansas for Medical Sciences, Little Rock, AR |
| 04:20 pm - 04:40 pm | Long-acting Cocaine Hydrolases for Addiction Therapy  **Xiabin Chen**, Ph.D., Graduate Student, University of Kentucky, Lexington, KY |
| 04:40 pm - 04:55 pm | Finding Novel Treatments for Tuberculosis using Deoxygenation reactions  **LaShawna Miller**, Ph.D., Lyon College, Batesville, AR |
| 04:55 pm - 05:00 pm | Break |
| 05:00 pm - 6:00 pm | **Panel Discussion – Drug Discovery and Development: From the Lab-Bench to the Patient Bedside (IDW 126)**  **Moderators:**  **Shraddha Thakkar,** Ph.D.,National Center for Toxicological Research, FDA  **Ujwani Nukala**, Ph.D. Candidate, University of Arkansas at Little Rock  **Panelists:**  **Cesar Compadre**, Ph.D., University of Arkansas for Medical Sciences  **Fang Zheng**, Ph.D., University of Kentucky  **Harikrishna Nakshatri,** Ph.D., Indiana University School of Medicine  **Weida Tong**, Ph.D., National Center for Toxicological Research, US FDA |
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| Saturday, June 17, 2017 | |
| 07:30 am - 08:00 am | Breakfast (IDW 114 A/B) |
| 08:00 am - 09:00 am | **KEYNOTE PRESENTATION (IDW 126)**  Evolving Concepts of Normal Breast Heterogeneity and its Impact on Tumor Characterization and Therapeutic Targeting  **Harikrishna Nakshatri**, Ph.D., Marian J. Morrison Chair of Breast Cancer Research, and Associate Director of IUSCC, Indiana University School of Medicine, Indianapolis, IN |
| 09:00 am - 09:15 am | Break |
| SESSION – 5 (IDW 126) | |
|  | **Session Chair: Pankaj Patyal,** Graduate Student, University of Arkansas for Medical Sciences, Little Rock, AR |
| 09:15 am – 09:45 am | **Featured Speaker – 5**  Drug Toxicity in Cardiomyocytes from Patient-Derived Induced Pluripotent Stem Cells  (A Model for Orphan Disease Studies)  **William Mattes**, Ph.D., DABT, Director, Division of System Biology, National Center for Toxicological Research, Jefferson, AR |
| 09:45 am – 10:00 am | Non-Coding RNAs Play important Roles in the Inter-individual Variability of Drug Metabolizing Enzymes and Transporters  **Baitang Ning, Ph.D.,** Principle Investigator, Division of Bioinformatics and Biostatistics, National Center for Toxicological Research, Jefferson, AR |
| 10:00 am - 10:30 am | The Potent and Selective Vesicular Monoamine Transporter-2  **Na-Ra Lee,**  Ph.D., Post-Doctoral Fellow, University of Arkansas for Medical Sciences, Little Rock, AR |
| 10:30 am - 11:45 am | Employing FDALabel Database to Extract Pharmacogenomics Information from FDA Drug Labeling to Advance the Study of Precision Medicine  **Hong Fang,** Ph.D., Staff Fellow, National Center for Toxicological Research, Jefferson, AR |
| 11:45 am - 12:00 pm | Antioxidant and Pro-oxidant Mechanisms of (+) Catechin in CYP2E1-dependent Oxidative Stress  **Andres A. Caro,** Ph.D., Associate Professor, Hendrix College, Conway, AR |
| 12:00 pm – 12:15 pm | Drug Repurposing for LEOPARD Syndrome by Integrating Chemical Structure and Genomics based Approaches  **Brain Devlan**, Graduate Student, National Center for Toxicological Research, Jefferson, AR |
| 12:00 pm – 01:00 pm | Lunch, Awards and Closing Remarks (IDW 126)  **Shraddha Thakkar,** Ph.D., Visiting Scientist, National Center for Toxicological Research, Jefferson, AR |
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