

**28th ANNUAL RESEARCH
SHOWCASE AND AWARDS
RECOGNITION DAY**

THURSDAY, FEBRUARY 19TH, 2015



**UNIVERSITY OF FLORIDA
COLLEGE OF PHARMACY**

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SCHEDULE OF EVENTS

8:00am - 9:00am Set-up Poster Presentations (Reception Hall, HPNP Building)

POSTER COMPETITION

9:00am - 11:30am **Poster Competition** – Students Present for Judging (Reception Hall, HPNP Building)

11:45am - 12:45pm **Luncheon** – Sponsors and Judges (Dean’s Conference Room, Room 4307, HPNP Building)

ORAL COMPETITION

1:00pm - 1:10pm **Introduction** – Dr. Hendrik Luesch, Professor, Medicinal Chemistry (Room C1-4, Communicore Building)

Levitt Division (20 minute presentations)

1:10pm - 1:30pm Nakyung Jeon

1:30pm - 1:50pm Xinyue Liu

Junior Division (15 minute presentations)

1:55pm - 2:10pm Fatma Al-Awadhi

2:10pm - 2:25pm Kaley MacFadyen

2:25pm - 2:40pm Guo Zhong

2:40pm - 2:55pm **BREAK**

Senior Division (20 minute presentations)

2:55pm - 3:15pm Michelle Bousquet

3:15pm - 3:35pm Dipanwita Pati

3:35pm - 3:55pm Mohamed Shahin

4:00pm - 5:00pm **Keynote Address** – Frank Koehn, Ph.D., Research Fellow – Natural Products/World Wide Medicinal Chemistry, Pfizer, Inc., “*Natural Products in Drug Discovery – Where to from Here?*” (Room C1-4, Communicore Building)

5:00pm - 7:00pm **Awards Reception** – Refreshments and Announcement of Winners (Reception Hall, HPNP Building)

ORAL COMPETITION

LEVITT DIVISION

#1 Presenter: **Nakyung Jeon**
Department: Pharmaceutical Outcomes and Policy
Research Title: Evaluation of Acute Kidney Injury (AKI) Risk in Vancomycin and NSAIDs Concomitant users in Hospital using Electronic Health Record

#2 Presenter: **Xinyue Liu**
Department: Pharmaceutical Outcomes and Policy
Research Title: State-Level Variation of Psychotropic Drug Utilization in Children with ADHD

JUNIOR DIVISION

#1 Presenter: **Fatma Al-Awadhi**
Department: Medicinal Chemistry
Research Title: Searching for Underwater Treasures: Isolation, Structure Elucidation, and Biological Evaluation of Novel Natural Products from Marine Cyanobacteria

#2 Presenter: **Kaley MacFadyen**
Department: Pharmacodynamics
Research Title: Oxytocin Receptor Expression on Dopamine, Glutamate and GABA Neurons of the VTA: A Point of Access for Regulating Ethanol Consumption?

#3 Presenter: **Guo Zhong**
Department: Medicinal Chemistry
Research Title: Age-Related Changes in Expression and Activity of Human Mitochondrial Glutathione Transferase Zeta1

SENIOR DIVISION

#1 Presenter: **Michelle Bousquet**
Department: Medicinal Chemistry
Research Title: Multidimensional Screening Platform Identifies Novel Modulators of Oxidative Stress for Chemoprevention and Chemotherapy

#2 Presenter: **Dipanwita Pati**
Department: Pharmacodynamics
Research Title: Tonic Modulation of Central Stress Circuits by Oxytocin in Response to Peripheral Salt Loading

#3 Presenter: **Mohamed Shahin**
Department: Pharmacotherapy & Translational Research
Research Title: Genome-Wide Prioritization and Genomics-Transcriptomics Integration Reveal Novel Signatures Associated with Blood Pressure Response of Thiazide Diuretics

POSTER COMPETITION

- 1. Alpha-1 Antitrypsin Gene Therapy for the Treatment of Osteoporosis**
Presenter: Mohammad Ahsanul Akbar (Pharmaceutics/Graduate Student)
Authors: M Akbar, D Nardo, A Elshikha, Y Lu, M Brantley, L Holliday, J Cao, S Song
- 2. The Absorption Kinetics of PEGylated Gold Nanoparticles after an Oral Dose in Rats and Mice: A Comparison Study**
Presenter: Ahmed Alalawi (Pharmaceutics/Graduate Student)
Authors: A Alalawi, S Roberts
- 3. Influenza Vaccine Utilization: A Comparison between Urban and Rural Counties in Florida**
Presenter: Abdullah Alalwan (Pharmaceutical Outcomes and Policy/Graduate Student)
Authors: A Alalwan, X Xu, A Hartzema
- 4. Effect of Raspberry Ketone, Chlorogenic Acid, and Caffeic Acid on *in vitro* Drug Metabolizing Enzyme Activity**
Presenters: Ahmed Albassam and Stanley Luc (Pharmacotherapy & Translational Research/Graduate Students)
Authors: A Albassam, S Luc, R Frye
- 5. Chronic Maternal Hypercortisolemia Impairs Fetal Cardiac Function**
Presenter: Andrew Antolic (Pharmacodynamics/Graduate Student)
Authors: A Antolic, I Lachica, C Wood, E Richards, M Keller-Wood
- 6. Quantification of 5,7-Dimethoxyflavone in Mouse Plasma using Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS) and its Application to a Pharmacokinetic Study**
Presenter: Di Bei (Pharmaceutics/Graduate Student)
Authors: D Bei, G An
- 7. Development and Optimization on an *in vitro* Test Method for Inhaled and Nasal Drugs**
Presenter: Sharvari Bhagwat (Pharmaceutics/Graduate Student)
Authors: S Bhagwat, H Kranich, G Hochhaus
- 8. MicroRNA Expression Mediated Regulation of Ara-C Chemosensitivity and Candidate Gene Expression in AML Cell Lines**
Presenter: Neha Bhise (Pharmacotherapy & Translational Research/Graduate Student)
Authors: N Bhise, V Lamba, X Cao, S Pounds, J Lamba
- 9. Discovery, Synthesis, and Biological Evaluation of Apratyramide, a Marine-derived Transcriptional Stimulator of Vascular Endothelial Growth Factor A**
Presenter: Weijing Cai (Medicinal Chemistry/Graduate Student)
Authors: W Cai, S Matthew, L Salvador, R Ratnayake, W Zhang, V Paul, H Luesch
- 10. Correlating the Melatonin Pathway with Atenolol Treatment-related Glucose Dysregulation through Integrating Genetic, Metabolite, and Fasting Glucose Data from the Pharmacogenomic Evaluation of Antihypertensive Responses Study**
Presenter: Shin-Wen Chang (Pharmacotherapy & Translational Research/Graduate Student)
Authors: S Chang, Y Gong, C McDonough, T Langae, K Nasiri, A Beitelshes, J Gums, A Chapman, S Turner, J Johnson, R Cooper-DeHoff
- 11. What Explains the Different Rates of Human Papillomavirus Vaccination among Adolescent Males and Females?**
Presenter: Yoonyoung Choi (Pharmaceutical Outcomes and Policy/Graduate Student)
Authors: Y Choi, E Eoruke, R Segal

POSTER COMPETITION (cont.)

- 12. Development of a Risk Model for Drug-associated Inpatient Falls**
Presenter: Yoonyoung Choi (Pharmaceutical Outcomes and Policy/Graduate Student)
Authors: Y Choi, B Staley, C Henriksen, A Winterstein
- 13. Racial and Ethnic Differences in Arthritis Attributable Work and Activity Limitations among US Veterans**
Presenter: Ghadeer Dawwas (Pharmaceutical Outcomes and Policy/Graduate Student)
Authors: G Dawwas, H Park
- 14. Type II Diabetes and Related Risk Factors: Analysis at the State Level in the United States**
Presenter: Ghadeer Dawwas (Pharmaceutical Outcomes and Policy/Graduate Student)
Authors: G Dawwas, H Park
- 15. Exploring *In Vitro* Antipseudomonal Activity of Synergistic Tigecycline-Tetracycline Combinations**
Presenter: Amelia Deitchman (Pharmaceutics/Graduate Student)
Authors: A Deitchman, R Singh, J Mukker, S Sy, A Zoehner, H Derendorf
- 16. Can Drug-drug Interactions be used to Inform Gene-drug Interactions and Vice Versa?**
Presenter: Jiexin Deng (Pharmaceutics/Graduate Student)
Authors: J Deng, C Lagishetty, L Lesko, S Schmidt
- 17. CX3CR1 is Associated with Resistant Hypertension (RHTN) in the International Verapamil SR-Trandolapril Study-GENETIC Substudy (INVEST-GENES)**
Presenter: Nihal El Rouby (Pharmacotherapy & Translational Research/Graduate Student)
Authors: N El Rouby, C McDonough, Y Gong, C Pepine, A Takashashi, T Tanaka, M Kubo, R Cooper-DeHoff, J Johnson
- 18. Alpha 1 Antitrypsin Inhibits Dendritic Cell Differentiation and Attenuates Nephritis in a Mouse Model of Lupus**
Presenter: Ahmed Samir Elshikha (Pharmaceutics/Graduate Student)
Authors: A Elshikha, Y Lu, MJ Chen, M Akbar, L Zeumer, A Ritter, L Morel, S Song
- 19. Moxifloxacin and Pyrazinamide Dose Optimization for Multidrug Resistant and Extensively Drug Resistant Tuberculosis Based on Lung Microdialysis in Patients**
Presenter: Tobias Heinrichs (Pharmaceutics/Graduate Student)
Authors: T Heinrichs, J May, R Kempker, A Barth, J Johnson, C Peloquin, H Derendorf
- 20. Prescription Drug Monitoring Program and Drug Arrests in Florida: Spatial Analysis**
Presenter: Juan Hincapie Castillo (Pharmaceutical Outcomes and Policy/Graduate Student)
Author: J Hincapie Castillo
- 21. The Influence of Spaceflight on Pharmacokinetics, Pharmacodynamics and Neurocognitive Function in Astronauts – An Inflight Study on the International Space Station**
Presenter: Johannes Kast (Pharmaceutics/Graduate Student)
Authors: J Kast, L Barger, M Basner, Y Bokrand-Donatelli, S Smith, V Wotring, H Derendorf
- 22. Effects of Age on the Excitatory Inputs to the Pyramidal Cells and Interneurons of the Rat Medial Prefrontal Cortex**
Presenter: Kyle Kelly (Pharmacodynamics/Graduate Student)
Authors: K Kelly, H Carpenter, J McQuail, J Bizon, C Frazier

POSTER COMPETITION (cont.)

23. **Definition of Risk Factors for the Development of an Automated HER-based Prediction Model for Venous Thromboembolism**
Presenter: Ju-Hyeun Kim (Pharmaceutical Outcomes and Policy/Graduate Student)
Authors: JH Kim, B Staley, T Johns, C Henriksen, A Winterstein
24. **Prevalence of Diagnosed Restless Legs Syndrome and Treatment Drug Use among Adults**
Presenter: Ju-Hyeun Kim (Pharmaceutical Outcomes and Policy/Graduate Student)
Authors: JH Kim, A Hartzema
25. **Preliminary Analysis of Methods for Comparison of In Vitro Dissolution Profiles of Inhaled and Nasal Drugs**
Presenter: Abhinav Kurumaddali (Pharmaceutics/Graduate Student)
Authors: A Kurumaddali, S Bhagwat, G Hochhaus
26. **Identifying and Operationalizing Two Sets of Risk Factors to Build Dynamic Risk Models for Hospital Acquired Potassium Disturbances**
Presenter: Yan Li (Pharmaceutical Outcomes and Policy/Graduate Student)
Authors: Y Li, B Staley, T Johns, A Winterstein
27. **tRNA Synthetase Inhibitors for Cancer Therapy**
Presenter: Xiao Liang (Medicinal Chemistry/Graduate Student)
Authors: X Liang, K Cisneros, R Khaybullin, X Qi
28. **Psychotropic Drug-drug Interactions in Three Most Commonly Used Drug Information Databases**
Presenter: Xinyue Liu (Pharmaceutical Outcomes and Policy/Graduate Student)
Authors: X Liu, M Barnicoat, R Bussing, A Winterstein
29. **Total Synthesis of Lyngbyastatin 7 for the Treatment of Pulmonary Diseases**
Presenter: Danmeng Luo (Medicinal Chemistry/Graduate Student)
Authors: D Luo, QY Chen, H Luesch
30. **Reduced Cardiovascular Events after Percutaneous Coronary Intervention with Genotype-guided Antiplatelet Therapy: Results from the UF Health Personalized Medicine Program**
Presenter: Oyunbileg Magvanjav (Pharmacotherapy & Translational Research/Graduate Student)
Authors: O Magvanjav, L Cavallari, R Anderson, A Owusu-Obeng, B Kong, T Vo, J Ashton, B Staley, A Elsey, R Cooper-DeHoff, K Weitzel, M Clare-Salzler, D Nelson, J Johnson
31. **Model Based Dose Optimization of Dichloroacetate for the Treatment of Congenital Lactic Acidosis**
Presenter: Naveen Mangal (Pharmaceutics/Graduate Student)
Authors: N Mangal, P Stacpoole, T Langaee, A Shroads, S Schmidt
32. **Reproductive Years and the Risk of Cardiovascular Events in Women: Insights from the National Health and Nutrition Examination Survey (NHANES)**
Presenter: Hend Mansoor (Pharmaceutical Outcomes and Policy/Graduate Student)
Authors: H Mansoor, R Segal, A Hartzema
33. **Paracrine Role of Adipose Stem Cells in Protecting Against Bleomycin Induced Pulmonary Fibrosis**
Presenter: Anandharajan Rathinasabapathy (Pharmacodynamics/Graduate Student)
Authors: A Rathinasabapathy, V Shenoy, A Horowitz, D Guzzo, S Jaekel, M Raizada, M Katovich

POSTER COMPETITION (cont.)

34. **Molecular Markers of Blood Pressure Response to Hydrochlorothiazide Monotherapy Identified through Whole Transcriptome RNA-Seq Analysis**
Presenter: Ana Caroline Costa Sá (Pharmacotherapy & Translational Research/Graduate Student)
Authors: A Sá, A Webb, Y Gong, R Derby, T Langaee, S Turner, A Chapman, J Gums, S Scherer, R Cooper-DeHoff, W Sadee, J Johnson
35. **Physiology-guided Precision Medicine: A Clopidogrel Case Study**
Presenter: Snehal Samant (Pharmaceutics/Graduate Student)
Authors: S Samant, XL Jiang, R Horenstein, A Shuldiner, L Yerges-Armstrong, L Peletier, X Zhang, M Trame, L Lesko, S Schmidt
36. **A Clinical Trial Simulation to Predict Pharmacokinetics of Locally-acting Corticosteroid Nasal Sprays**
Presenter: Uta Schilling (Pharmaceutics/Graduate Student)
Authors: U Schilling, G Hochhaus
37. **Glutathione Transferase Zeta 1 (GSTZ1) Inactivation by Dichloroacetate Differs in Rat Liver Cytosol and Mitochondria**
Presenter: Marci Smeltz (Medicinal Chemistry/Graduate Student)
Authors: M Smeltz, G Zhong, S Jahn, L Rowland-Faux, Z Hu, P Stacpoole, M James
38. **Optogenetic Stimulation of an Oxytocin Receptor-affiliated Inhibitory Limbic Circuit Increases Social Interaction**
Presenter: Justin Andrew Smith (Pharmacodynamics/Graduate Student)
Authors: J Smith, D Pati, S Harden H Hiller, L Wang, A de Kloet, J Frazier, E Krause
39. **Identification of Endogenous Control for Plasma miRNA Expression in Essential Hypertension**
Presenter: Mohamed Solayman (Pharmacotherapy & Translational Research/Graduate Student)
Authors: M Solayman, T Langaee, A Patel, L El-Wakeel, M El-Hamamsy, O Badary, J Johnson
40. **Ischemia Responsive Protein (Irp94) is a Key Mediator of Ischemic Neuronal Injury-induced Microglial Activation**
Presenter: Rajiv Tikamdas (Pharmacodynamics/Graduate Student)
Authors: R Tikamdas, S Singhal, P Zhang, J Smith, E Krause, S Stevens, S Song, B Liu
41. **In Vitro Pharmacodynamics of Retapamulin against Methicillin-susceptible *Staphylococcus aureus* Determined by Minimum Inhibitory Concentration and Time-kill Curve Based Approaches**
Presenter: Alexander Voelkner (Pharmaceutics/Graduate Student)
Authors: A Voelkner, J Keuth, T Hoffmeister, H Derendorf
42. **Increasing Angiotensin Converting Enzyme 2 Activity in the Brain is Anxiolytic and Dampens Activation of Hypothalamic-pituitary-adrenal Axis in Male Mice**
Presenter: Lei Wang (Pharmacodynamics/Graduate Student)
Authors: L Wang, A de Kloet, D Pati, H Hiller, J Smith, D Pioquinto, C Frazier, S Oh, M Katovich, M Raizada, E Krause
43. **Comparison on Pediatric Asthma Hospital Admissions through Emergency Department: Medicaid vs Private Insurance**
Presenter: Wei Wang (Pharmaceutical Outcomes and Policy/Graduate Student)
Authors: W Wang, H Park

POSTER COMPETITION (cont.)

- 44. Targeting Mouse Alpha-1 Antitrypsin Genes by Transcription Activator-like Effector Nucleases**
Presenter: Ye Yuan (Pharmaceutics/Graduate Student)
Authors: Y Yuan, W Hagazy, A Elshikha, M Akbar, S Song
- 45. Does P-glycoprotein Restrict Access of Budesonide but not Fluticasone Propionate at Fetus and Placenta**
Presenter: SyedSaoud Zaidi (Pharmaceutics/Graduate Student)
Authors: S Zaidi, M Chen, E Neubart, D Lo, G Hochhaus
- 46. Adult Attention Deficit Hyperactivity Disorder in Medicaid Population – How Prevalent Is It?**
Presenter: Yanmin Zhu (Pharmaceutical Outcomes and Policy/Graduate Student)
Authors: Y Zhu, W Liu, Y Li, A Winterstein
- 47. Direct Nitration of Flourinated Tryptophan Analogs by Engineering a Unique Cytochrome P450**
Presenter: Ran Zuo (Medicinal Chemistry/Graduate Student)
Authors: R Zuo, Y Zhang, J Huguet-Tapia, M Mehta, E Dedic, R Loria, Y Ding
- 48. Discovery of Halogenated Quinoline Small Molecules as Potent Biofilm Dispersal and Antibacterial Agents Against *Staphylococcus epidermidis***
Presenter: Gena Burch (Medicinal Chemistry/Professional Student)
Authors: G Burch, A Garrison, Y Abouelhassan, R Huijgens
- 49. Grapefruit Juice Ingredients Greatly Increase Intracellular Dasatinib Concentration through Inhibition of Breast Cancer Resistance Protein: A New Beverage-drug Interaction**
Presenter: Brett Fleisher (Center for Pharmacometrics and Systems Pharmacology/Professional Student)
Authors: B Fleisher, J Unum, J Shao, G An
- 50. Retrospective Analysis of Public Domain Adverse Events Related to P-glycoprotein Associated Interaction of Digoxin-Perpetrator Drugs**
Presenter: Brett Fleisher (Center for Pharmacometrics and Systems Pharmacology/Professional Student)
Authors: B Fleisher, C Lagishetty, L Lesko, M Trame
- 51. Beta Adrenergic Receptor Polymorphisms in Patients with Congenital Heart Disease**
Presenters: Benjamin Quang Duong and Daniel Zambrano (Pharmacotherapy & Translational Research/Professional Students)
Authors: D Zambrano, B Duong, D Zambrano, I Hamadeh, B Stein, M Bleiweis, L Cavallari, T Langae
- 52. Identifying Risk Factors for Uncontrolled Community-Acquired Pneumonia in Hospitalized Patients to Develop a Predictive Risk Model**
Presenter: Akil Hiruy (Pharmaceutical Outcomes and Policy/Professional Student)
Authors: A Hiruy, B Staley, T Johns, A Winterstein
- 53. Effects of Peripheral Oxytocin Injections on Alcohol Consumption in Rats**
Presenter: Rebecca Loveless (Pharmacodynamics/Professional Student)
Authors: R Loveless, K MacFadyen, B DeLucca, K Wardley, S Deogan, C Thomas, J Peris

POSTER COMPETITION (cont.)

- 54. Reduced Fertility and Selective Embryonic Lethality by Type-1 Deiodinase Inactivation**
Presenter: Diana Martinez (Gainesville Professional Student)
Authors: D Martinez, E Garzon, L Meireles, A Bianco, S Bianco
- 55. Venous Thromboembolism Risk Evaluation for Factor V Leiden Mutation Carriers on Ethinyl Containing Oral Contraceptives**
Presenter: Philip Nettle (Center for Pharmacometrics and Systems Pharmacology/Professional Student)
Authors: B Fleisher, P Nettle, S Tu, L Bartolome, A Lowe, G Rodriguez, M Trame
- 56. Identifying Risk Factors Associated with Surgical Site Infections to Develop a Dynamic Risk Model**
Presenter: Lindsey Osterfeld (Pharmaceutical Outcomes and Policy/Professional Student)
Authors: L Osterfeld, B Stanley, T Johns, A Winterstein
- 57. Endogenous Normalizer for Circulating miRNA Relative Quantification in Essential Hypertension Studies**
Presenter: Archanakumari Patel (Pharmacotherapy & Translational Research/Professional Student)
Authors: A Patel, M Solayman, T Langae, J Johnson
- 58. Expression and Characterization of an Anti-Tobacco Mosaic Virus Protein**
Presenter: Julian Rashid (Medicinal Chemistry/Professional Student)
Authors: J Rashid, F Heider G Yang, Y Ding
- 59. Comparison of the Effects of Maternal Separation versus Neonatal Sevoflurane Exposure on Ethanol Intake in Adult Rats**
Presenters: Cameron Thomas and Sumeet Deogan (Pharmacodynamics/Professional Students)
Authors: C Thomas, S Deogan, B Delucca, R Loveless, K MacFadyen
- 60. Orange Juice and Apple Juice Ingredients Greatly Increase Intracellular Dasatinib Concentration via Inhibition of P-glycoprotein (P-gp) and Breast Cancer Resistance Protein (BCRP)**
Presenter: Jesse Unum (Center for Pharmacometrics and Systems Pharmacology/Professional Student)
Authors: J Unum, B Fleisher, J Shao, G An
- 61. Identification of Risk Factors for Drug-induced Altered Mental Status, Delirium and Psychosis for the Development of a Predictive Risk Model**
Presenter: Janick Weberpals (Pharmaceutical Outcomes and Policy/Professional Student)
Authors: J Weberpals, B Staley, T Johns, A Winterstein
- 62. Integrated Data Mining and Systems Pharmacology to Explore the Comparative Safety of Brand-name and Generic Drugs**
Presenter: Konstantinos Biliouris (Pharmaceutics/Post-doctoral Fellow)
Authors: K Biliouris, M Trame, S Schmidt, L Fang, L Lesko
- 63. Feasibility of Extended Duration Follow-up for Patients Receiving Warfarin (FADE-OUT)**
Presenter: Nicholas Carris (Pharmacotherapy & Translational Research/Post-doctoral Fellow)
Authors: N Carris, J Taylor, K Vogel-Anderson, K Sando, A Spinelli, J Elliott, J Powell, D Peirini, P Cogan, E Rosenberg, M Zumberg, S Smith, J Gums, E Dietrich

POSTER COMPETITION (cont.)

64. **High-Throughput, High-Consent siRNA/Drug Modifier Screen for Validation of Transcriptional Profiles Predictive of Cytarabine Response in AML**
Presenter: Lata Chauhan (Pharmacotherapy & Translational Research/Post-doctoral Fellow)
Authors: L Chauhan, C Echeverri, K Korn, K Kochar, X Cao, S Pounds, J Lamba
65. **Populations Pharmacodynamic Modeling and Simulation of Clinical Trials to Explore Longitudinal Weight Loss in Obesity**
Presenter: Francois Combes (Center for Pharmacometrics and Systems Pharmacology/Post-doctoral Fellow)
Authors: F Combes, M Vakilynejad, G Lahu, L Lesko, M Trame
66. **Identification of Biomarkers in Breast Cancer by Gene Expression Profiling using Human Tissues**
Presenter: Junjie Fu (Medicinal Chemistry/Post-doctoral Fellow)
Authors: J Fu, R Khaybullin, X Qi
67. **INCIPIRE: Incorporating Community Pharmacy, Quality Improvement, and Meaningful Feedback into the ePrescribing Process**
Presenter: Omjoy Ganesh (Pharmacotherapy & Translational Research/Post-doctoral Fellow)
Authors: O Ganesh, A Schentrup
68. **Osteonecrosis of the Jaw in the United States Food and Drug Administration Adverse Event Reporting System**
Presenter: Issam Hamadeh (Pharmacotherapy & Translational Research/Post-doctoral Fellow)
Authors: X Zhang, I Hamadeh, L Lesko, Y Gong
69. **Model-informed Drug Development in Type II Diabetes – How Mechanistic Do We Need to Be?**
Presenter: Felipe Hurtado (Center for Pharmacometrics and Systems Pharmacology/Post-doctoral Fellow)
Authors: F Hurtado, P Gaitonde, S Schmidt
70. **Chemoresistance through the Intratumoral Metabolism of Dichloroacetate**
Presenter: Stephan Jahn (Medicinal Chemistry/Post-doctoral Fellow)
Authors: S Jahn, M Solayman, R Lorenzo, T Langae, P Stacpoole, M James
71. **Design and Synthesis of Isoesteviol Triazole Conjugates for Cancer Therapy**
Presenter: Ravil Khaybullin (Medicinal Chemistry/Post-doctoral Fellow)
Authors: R Khaybullin, J Fu, X Liang, T Li, X Qi
72. **Reduction of 30 Day Hospital Readmissions after Patient-centric Telephonic Medication Therapy Management (MTM) Services**
Presenter: Daryl Miller (Medication Therapy Management Communication and Care Center/Post-doctoral Fellow)
Authors: D Miller, T Roane
73. **Characterizing the Changes in Drug Clearance from Neonates to Adults by Physiologically Based Pharmacokinetic Modeling using GastroPlus™**
Presenter: Tanay Samant (Center for Pharmacometrics and Systems Pharmacology/Post-doctoral Fellow)
Authors: T Samant, V Lukacova, L Lesko, S Schmidt

JUDGES

POSTER COMPETITION

Keith Choe, PhD
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ORAL COMPETITION

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