

24th ANNUAL RESEARCH SHOWCASE AND AWARDS RECOGNITION DAY

THURSDAY, FEBRUARY 17TH, 2011



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)

ORAL COMPETITION

1:00pm - 1:10pm **Introduction** – Dr. Tony Palmieri, Clinical Assistant Professor, 2011 Research Showcase Coordinator (Room G-301, HPNP Building)

Levitt Division (20 minute presentations)

1:10pm - 1:30pm Stephan Linden
1:30pm - 1:50pm Olihe Okoro

Junior Division (15 minute presentations)

1:55pm - 2:10pm Xiaodi Feng
2:10pm - 2:25pm Karin Haug
2:25pm - 2:40pm Rana Montaser

2:40pm - 2:50pm **BREAK**

Senior Division (20 minute presentations)

2:55pm - 3:15pm Jason Kwan
3:15pm - 3:35pm Mohamed Eslam Mohamed
3:35pm - 3:55pm Benjamin Wu

4:00pm - 5:15pm **Keynote Address** – Sriram Krishnaswami, PhD, Director, Clinical Pharmacology, Specialty Care, Pfizer. *Role of Clinical Pharmacology in Drug Development* (Room G-301, HPNP Building)

5:15pm - 7:00pm **Awards Reception** – Refreshments and Announcement of Winners (Reception Hall, HPNP Building)

ORAL COMPETITION

LEVITT DIVISION

#1 Presenter: **Stephan Linden**
Department: Pharmaceutical Outcomes and Policy
Research Title: Utilization of Atomoxetine and other Pharmacotherapy in Youths with Attention Deficit/Hyperactivity Disorder in Medicaid Patients in 29 U.S. States

#2 Presenter: **Olihe Okoro**
Department: Pharmaceutical Outcomes and Policy
Research Title: Clinical Cultural Competency of Third Year Doctor of Pharmacy Students (3PD) in Florida Public Institution

JUNIOR DIVISION

#1 Presenter: **Xiaodi Feng**
Department: Pharmacodynamics
Research Title: Role of Corticosteroid Receptor Subtypes MR and GR in Cortisol-mediated Apoptosis in Fetal Heart

#2 Presenter: **Karin Haug**
Department: Pharmaceutics
Research Title: Nonlinear Pharmacokinetics of Visnagin in Rats after Intravenous Bolus Administration

#3 Presenter: **Rana Montaser**
Department: Medicinal Chemistry
Research Title: Exploring the Marine Chemical Treasures: Structural and Biological Characterization of Novel Natural Products from the Marine Cyanobacterium *Lyngbya majuscula* from Guam

SENIOR DIVISION

#1 Presenter: **Matthias Fueth**
Department: Pharmaceutics
Research Title: Protein Therapy of Alpha(1)-antitrypsin in Experimental Doxorubicin Induced Cardiomyopathy

#2 Presenter: **Erica Haslach**
Department: Pharmacodynamics
Research Title: Pharmacological Characterization of 12 Human Melanocortin-4 Receptor Mutations with the Endogenous Proopiomelanocortin-derived Agonists

#3 Presenter: **Jay Schaub**
Department: Pharmacodynamics
Research Title: Effects of Voluntary Exercise on Peripheral Gene Expression in Central Melanocortin Receptor Knockout Mice

POSTER COMPETITION

- # 1 A Novel, Functionally-selective Serotonin 2 Receptor Ligand Blocks Putative Psychotomimetic Effects of (±)-2,5-dimethoxy-4-Psychotomimetic Effects of (±)-2,5-dimethoxy-4-iodoamphetamine in Mice**
- Presenter: Clinton Canal (Medicinal Chemistry/Post-doctoral Fellow)
Authors: C Canal, D Morgan, R Booth
- # 2 Impact of Lifestyle Interventions on Diabetes**
- Presenter: Donna Leverone (Pharm & Trans Research/Post-doctoral Fellow)
Authors: D Leverone, B Epstein, M Lo
- # 3 Association of Variants in the Selectin E Precursor (SELE) with Adverse Outcomes in the International Verapamil SR-Trandolapril Study GENETIC Substudy (INVEST-GENES)**
- Presenter: Caitrin McDonough (Pharm & Trans Research/Post-doctoral Fellow)
Authors: C McDonough, Y Gong, T Langae, C Pepine, R Cooper-DeHoff, J Johnson
- # 4 Center for Drug Interaction Research and Education**
- Presenter: Chethan Sampath (Pharmaceutics/Post-doctoral Fellow)
Authors: C Sampath, H Derendorf, V Butterweck
- # 5 Carvedilol Reduces Aortic Wave Reflection and Improves Left Ventricular/Vascular Coupling: A Comparison with Atenolol (CENTRAL Study)**
- Presenter: Niren Shah (Pharm & Trans Research/Post-doctoral Fellow)
Authors: N Shah, B Epstein, M Lo, P Satish, U Ashfaq, W Nichols, S Smith
- # 6 New Analogues for Unlocking the Melanocortin Receptors**
- Presenter: Anamika Singh (Pharmacodynamics/ Post-doctoral Fellow)
Authors: A Singh, N Eick, V Flores, M Dirain, E Haslach, C Haskell-Luevano
- # 7 Influence of G Protein Receptor Kinase 4 (GRK4) Polymorphisms on Blood Pressure Response to the β -Blocker Atenolol**
- Presenter: Alexander Vandell (Pharm & Trans Research/Post-doctoral Fellow)
Authors: A Vandell, M Lobmeyer, B Gawronski, T Langae, Y Gong, A Beitelshes, J Gums, S Turner, A Chapman, R Cooper-DeHoff, S Liggett, J Johnson
- # 8 Disagreements on Medication Nonadherence between Prescription Claims and Patient Reports from Medication Therapy Management Interviews**
- Presenter: Tsu-Hsuan Yang (Pharm Outcomes and Policy/Post-doctoral Fellow)
Authors: T-H Yang, S Stevens, R Segal, A Wolf, P Sessions, J Lannigan, D Angaran

POSTER COMPETITION (cont.)

- # 9 Integrating Medication Reconciliation and Medication Therapy Management: Improving Accuracy of a Home Medication List through Telephonic Patient Interview**
- Presenter: Tsu-Hsuan Yang (Pharm Outcomes and Policy/Post-doctoral Fellow)
Authors: T-H Yang, S Stevens, J Lannigan, A Wolf, P Sessions, R Segal
- # 10 Gene Expression in the Renin-angiotensin System of Mouse Neuronal Cells can be Modulated by Stimulating the Melanocortin Receptors**
- Presenter: Hua Yao (Pharmacodynamics/Post-doctoral Fellow)
Authors: H Yao, C Haskell-Luevano
- # 11 Comparative Effectiveness of Dyslipidemia Treatment in HIV-infected Patients**
- Presenter: Wei Liu (Pharm Outcomes and Policy/Graduate Student)
Authors: W Liu, M Munoz, J Delaney, H Crane
- # 12 Vaccine-associated Guillain-Barré Syndrome: A Pharmacovigilance Analysis of Data in the United States Vaccine Adverse Event Reporting System (1990-2009)**
- Presenter: Ayad Ali (Pharm Outcomes and Policy/Graduate Student)
Authors: A Ali
- # 13 The Association between Drospirenone and Hyperkalemia among Women Taking Oral Contraceptives**
- Presenter: Steven Bird (Pharm Outcomes and Policy/Graduate Student)
Authors: S Bird, J Brophy, J Delaney, M Etimanan, X Liu, S Pepe
- # 14 Pharmacokinetic and Pharmacodynamic Evaluation of Armodafinil in Sleep Deprived Adults**
- Presenter: Daniela Conrado (Pharmaceutics/Graduate Student)
Authors: D Conrado, M Bewernitz, J Neto, M Ding, J Cibula, S Eisenschenk, C Seubert, H Derendorf
- # 15 Comparing Pulmonary-related Outcomes for Newborn-screened versus Conventional-diagnosed Infants with Cystic Fibrosis**
- Presenter: Efe Eworuke (Pharm Outcomes and Policy/Graduate Student)
Authors: E Eworuke, A Winterstein
- # 16 Cost-effectiveness of Dabigatran in Stroke Prevention**
- Presenter: David Folmar (Pharm Outcomes and Policy/Graduate Student)
Authors: D Folmar, T Kauf

POSTER COMPETITION (cont.)

- # 17 The Influence of Varying Albumin Concentrations on the Protein Binding and Antimicrobial Efficacy of Ceftriaxone**
Presenter: Daniel Gonzalez (Pharm & Trans Research/Graduate Student)
Authors: D Gonzalez, S Wicha, R-P Singh, T Mueller, A Kaune, A Deitchman, H Derendorf
- # 18 Valproic Acid-dextran Conjugate: Synthesis and Characterization for a Sustained Release Formulation**
Presenter: A.M. Hassan (Pharmaceutics/Graduate Student)
Authors: A Hassan, T Schauble, G Hochhaus
- # 19 Modeling a Biomarker Trajectory in CNICS**
Presenter: Amy Houtchens (Pharm Outcomes and Policy/Graduate Student)
Authors: A Houtchens, J Schelfhout, D Stojanovic, H Crane, J Delaney, T Kauf
- # 20 Variants in the Angiotensin Converting Enzyme Gene (ACE) are Associated with Increased Fasting Glucose and Risk of New Onset Diabetes during HCTZ Therapy**
Presenter: Jason Karnes (Pharm & Trans Research/Graduate Student)
Authors: J Karnes, Y Gong, T Langae, J Gums, C Pepine, J Johnson, R Cooper-DeHoff
- # 21 Association of Cesarean Section Delivery among Pregnant Women with Diabetes**
Presenter: Caitlin Knox (Pharm Outcomes and Policy/Graduate Student)
Authors: C Knox, J Delaney, A Winterstein
- # 22 Risk of Respiratory Syncytial Virus (RSV) Hospitalizations in Preterm Infants: Investigating Appropriateness of the American Academy of Pediatrics (AAP) Age-related Guidelines for Palivizumab Prophylaxis**
Presenter: Caitlin Knox (Pharm Outcomes and Policy/Graduate Student)
Authors: C Knox, C Hampp, P Kubilis, S Linden, A Winterstein
- # 23 The Protective Effects of Gelsolin and Alpha-1 Antitrypsin in Endothelin-induced Middle Cerebral Artery Occlusion in Rats**
Presenter: Huong Le (Pharmaceutics/Graduate Student)
Authors: H Le, A Hirko, J Thinschmidt, M King, J Hughes, S Song
- # 24 Utilizing Path Analysis to Find Correlation between Pharmacist's Beliefs and the Intention to Counsel on Smoking Cessation**
Presenter: Christine Lee (Pharm Outcomes and Policy/Graduate Student)
Authors: C Lee, R Segal

POSTER COMPETITION (cont.)

- # 25 Pharmacokinetics of α -mangostin in Rats after Intravenous and Oral Application**
Presenter: Li Li (Pharmaceutics/Graduate Student)
Authors: L Li, I Brunner, A-R Han, M Hamburger, A Kinghorn, R Frye, V Butterweck
- # 26 Determination of Kaempferol Metabolites in Rat Brain Tissue using an HPLC Method with Fluorescence Detection**
Presenter: Xuan Liu (Pharmaceutics/Graduate Student)
Authors: X Liu, R Meletta, Y Liu, V Butterweck
- # 27 Association of Provider Continuity with Hospitalization among Florida Medicaid Enrollees with Sickle Cell Disease (SCD)**
Presenter: Qinli Ma (Pharm Outcomes and Policy/Graduate Student)
Authors: Q Ma, T Kauf, A Hall
- # 28 Simvastatin use in HIV-infected Patients**
Presenter: Monica Munoz (Pharm Outcomes and Policy/Graduate Student)
Authors: M Munoz, W Liu, J Delaney, H Crane
- # 29 Veraguamides A-G, Novel Cyclic Hexadepsipeptides with *In Vitro* Anticancer Activity from a Cyanobacterium *Symploca* sp. from Guam**
Presenter: Lilibeth Salvador (Medicinal Chemistry/Graduate Student)
Authors: L Salvador, J Biggs, V Paul, H Luesch
- # 30 A Decision Analysis Model Exploring the Results of a Phase II Trial of Eltrombopag for Patients with Chronic Hepatitis C, Cirrhosis and Thrombocytopenia**
Presenter: Jonathan Schelfhout (Pharm Outcomes and Policy/Graduate Student)
Authors: J Schelfhout, T Kauf
- # 31 Involvement of NADPH Oxidase in Dopaminergic Neurotoxicity of Organochlorine Pesticides**
Presenter: Heera Sharma (Pharmacodynamics/Graduate Student)
Authors: H Sharma, A Hirko, M King, B Liu
- # 32 Fixed Dosing and Body Size-based Dosing of Anticancer Drugs in Adults**
Presenter: Rong Shi (Pharmaceutics/Graduate Student)
Authors: R Shi, H Derendorf
- # 33 Development of a Physiologically-based Pharmacokinetic Model of Vandetanib**
Presenter: Wan Sun (Pharmaceutics/Graduate Student)
Authors: W Sun, E Pierce, P Vicini

POSTER COMPETITION (cont.)

- # 34 Tramadol in Breastfeeding Mothers: Bridging Pharmacogenomics and Pharmacometrics using a CYP2D6 Probe**
Presenter: Sherwin Sy (Pharmaceutics/Graduate Student)
Authors: S Sy, S Salman, K Ilett, M Page-Sharp, H Derendorf, M Paech
- # 35 The Effect of Melanocortin Agonist, MTH and Antagonist, SHU9119 on C57/6J Mice's Feeding Behavior and Energy Metabolism**
Presenter: Yungang Wang (Pharmacodynamics/Graduate Student)
Authors: Y Wang, J Schaub, A Andreassen, C Haskell-Luevano
- # 36 Production of Reactive Oxygen Species in MN Stimulated-microglia: Contribution of the Electron Transport Chain Complexes**
Presenter: Yue Liu (Pharmacodynamics/Graduate Student)
Authors: Y Liu, P Zhang, D Barber, B Liu
- # 37 Alpha-1 Antitrypsin Prevents Doxorubicin-induced Cardiomyopathy**
Presenter: Matthias Fueth (Pharmaceutics/Graduate Student)
Authors: M Fueth, Y Lu, S Song
- # 38 Utilization of Atomoxetine and other Pharmacotherapy in Youths with Attention Deficit/Hyperactivity Disorder in Medicaid Patients in 29 U.S. States**
Presenter: Stephan Linden (Pharm Outcomes and Policy/Graduate Student)
Authors: S Linden, C Knox, A Winterstein
- # 39 Great Expectations: Are They Met by Short-term International Health Outreach Trips?**
Presenter: Julie Anne Billedo (Pharm & Trans Research/Professional Student)
Authors: J Billedo, L Inge, J He, A Chanliongco
- # 40 Extending Genetic Predictors of Warfarin Dose: APOE and CALU**
Presenter: Nicholas Carris (Pharm & Trans Research/ Professional Student)
Authors: N Carris, B Gawronski, M Shahin, S Khalifa, Y Gong, T Langae, J Johnson
- # 41 Genetic Variation in the L-type Calcium Channel (LTCC) and Association with Blood Pressure Response to Antihypertensive Therapy in the Pharmacogenomic Evaluation of Antihypertensive Responses (PEAR) Study**
Presenter: Kristina Chen Yin (Pharm & Trans Research/ Professional Student)
Authors: K Chen Yin, H Davis, Y Gong, T Langae, A Chapman, S Turner, J Gums, R Cooper-DeHoff, J Johnson

POSTER COMPETITION (cont.)

- # 42 β -Amino Acids Containing Peptide Analogues for the Melanocortin Receptors**
Presenter: Viktor Flores (Pharmacodynamics/ Professional Student)
Authors: V Flores, A Singh, H Huang, C Haskell-Luevano
- # 43 Post-operative Medication Errors in Otolaryngology**
Presenter: Danny Gonzalez (Pharm Outcomes and Policy/Professional Student)
Authors: D Gonzalez, A Winterstein, P Antonelli
- # 44 Clinical Trials Knowledge, Attitudes, and Perceptions of Blacks in Alachua County**
Presenter: Brannon Hudson (Pharm Outcomes and Policy/Professional Student)
Authors: B Hudson, F Odedina
- # 45 An in vitro Evaluation of Protease Inhibitors on the Activity of Carboxylesterase 1: A Potential Source of Drug-Drug Interactions**
Presenter: Jenna Rhoades (Pharm & Trans Research/Professional Student)
Authors: J Rhoades, H Zhu, D Appel, Y Peterson, C Peloquin, J Markowitz
- # 46 Association of KCNJ1 Polymorphisms and Thiazide-induced Dysglycemia and Diabetes**
Presenter: Teresa Vo (Pharm & Trans Research/Professional Student)
Authors: T Vo, J Karnes, Y Gong, T Langae, A Beitelshes, S Turner, A Chapman, J Gums, K Bailey, E Boerwinkle, C Pepine, J Johnson, R Cooper-DeHoff
- # 47 Immunizing Activity of Florida Pharmacists in 2009-10**
Presenter: Erika Walters (Pharm Outcomes and Policy/Professional Student)
Authors: E Walters, E Lipowski, K Whalen

JUDGES

POSTER COMPETITION

John Abernethy, MD
Medical Director
Nanotherapeutics, Inc.
Alachua, FL

Robert G. Bell, PhD
President and CEO
Drug & Biotechnology Development
Clearwater, FL

John Byatt, PhD
Assistant Director, Life Sciences
Office of Technology Licensing
University of Florida

Bärbel Eppler, PhD
Senior Vice President of Preclinical
Development and Quality Assurance
Nanotherapeutics, Inc.
Alachua, FL

Randy C. Hatton, PharmD
Director, Drug Information and Pharmacy
Resource Center
Shands at the University of Florida
Gainesville, FL

Saeed R. Khan, PhD
Professor
Pathology, Immunology & Laboratory
Medicine
College of Medicine
University of Florida

John Markowitz, PhD
Professor
Pharmacotherapy & Translational Research
College of Pharmacy
University of Florida

Lenny Terry, PhD
Assistant Director, Physical Sciences
Office of Technology Licensing
University of Florida

ORAL COMPETITION

Joseph Chris Delaney, PhD
Assistant Professor
Pharmaceutical Outcomes and Policy
College of Pharmacy
University of Florida

Karen Sando, PharmD
Clinical Assistant Professor
Pharmacotherapy & Translational Research
College of Pharmacy
University of Florida

James Talton, PhD
President and CEO
Nanotherapeutics, Inc.
Alachua, FL

Katherine Vogel-Anderson, PharmD
Clinical Assistant Professor
Pharmacotherapy & Translational Research
College of Pharmacy
University of Florida