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
# 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 Diabesity

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 Langaee, 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 Langaee, Y Gong, A Beitelshesee, 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

# 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 Etiminan, 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
# 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, P Haupl, P Kubis, 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

# 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
# 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, MTII 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 Andreasen, 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

# 42 β-Amino Acids Containing Peptide Analogues for the Melanocortin Receptors
Presenter: Viktor Flores (Pharmacodynamics/Professional Student)
Authors: Y 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
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