25th ANNUAL RESEARCH SHOWCASE AND AWARDS RECOGNITION DAY

THURSDAY, FEBRUARY 16TH, 2012

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. Teresa Kauf, Associate Professor, Pharmaceutical Outcomes and Policy (Room G-101, HPNP Building)

Levitt Division (20 minute presentations)

1:10pm - 1:30pm  Steven Bird
1:30pm - 1:50pm  Efe Eworuke

Junior Division (15 minute presentations)

1:55pm - 2:10pm  Bhargava Kandala
2:10pm - 2:25pm  Rana Montaser
2:25pm - 2:40pm  Lilibeth Salvador

2:40pm - 2:50pm  BREAK

Senior Division (20 minute presentations)

2:55pm - 3:15pm  Daniela Conrado
3:15pm - 3:35pm  Yue Liu
3:35pm - 3:55pm  Rui Wang

4:00pm - 5:15pm  Keynote Address – Maria Miralles, PhD, Senior Pharmaceutical Management Advisor, United States Agency International Development (USAID), “Pharmaceuticals in the Global Health Research Agenda: A Donor’s Perspective” (Room G-114, HPNP Building)

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

ORAL COMPETITION

LEVITT DIVISION

#1  Presenter: Steven Bird  Department: Pharmaceutical Outcomes and Policy  Research Title: Risk of Venous Thromboembolism with Drospirenone: A Population-based Comparative-safety Study

#2  Presenter: Efe Eworuke  Department: Pharmaceutical Outcomes and Policy  Research Title: Drug Utilization Patterns for Routine Therapies in Patients with Cystic Fibrosis

JUNIOR DIVISION

#1  Presenter: Bhargava Kandala  Department: Pharmaceutics  Research Title: Design and Analysis of Pharmacodynamic Crossover Studies Conducted to Establish Bioequivalence of Inhaled Corticosteroids

#2  Presenter: Rana Montaser  Department: Medicinal Chemistry  Research Title: Drugs from the Sea: Chemical and Biological Characterization of Novel Fatty Acid Derivatives from the Guamanian Marine Cyanobacteria *Lyngbya* spp.

#3  Presenter: Lilibeth Salvador  Department: Medicinal Chemistry  Research Title: Novel Bioactive Natural Products from the Marine Cyanobacterium *Symploca* sp. as Leads for Drug Discovery

SENIOR DIVISION

#1  Presenter: Daniela Conrado  Department: Pharmaceutics  Research Title: Pharmacokinetic-Pharmacodynamic Modeling of Armodafinil: Effects on Electroencephalogram and Neurocognition of Sleep Deprived Adults

#2  Presenter: Yue Liu  Department: Pharmacodynamics  Research Title: Involvement of Mitochondrial Complexes in Divalent Manganese-stimulated Release of Hydrogen Peroxide in Microglial Cells

#3  Presenter: Rui Wang  Department: Medicinal Chemistry  Research Title: Biological Mode of Action Study of a Small Molecule Inducer of the Antioxidant Response Element
# 1 Modulation of Voluntary Alcohol Consumption by 5-HT2A/C Receptor Subtypes: A Promising Target for Treating Alcoholism

**Presenter:** Richard Aramini and Sarah Bisceglia (Pharmacodynamics/Professional Students)
**Authors:** R Aramini, S Bisceglia, R Tikamdas, P Cogan, K Chen Yin, J Kasper, M Kim, C Canal, R booth, J Peris

# 2 Retrospective Study of Drotrecogin Alpha (Activated) Use in Burn Patients

**Presenter:** Kristi Beermann (Shands, University of Florida/Professional Student)
**Authors:** K Beermann, A LeClaire, N Ladikos, D Mozingo

# 3 A Discriminative Analytical Method for Detection of CES1A1 and CES1A2/CES1A3 Genetic Variants

**Presenter:** Bryan Brinda (Pharmacotherapy & Translational Research/Professional Student)
**Authors:** H Zhu, B Brinda, J Markowitz

# 4 Educational Interventions Targeting Students of Health Care Disciplines to Improve Cultural Competencies Specific to Caring for People with Disabilities

**Presenter:** Lori Carter (Pharmaceutical Outcomes & Policy/Professional Student)
**Authors:** L Carter, D Wilson, WT Smith

# 5 Impact of Computerized Physician Order Entry (CPOE) on the Safety of Patient-controlled Analgesia

**Presenter:** Caitlin Dickens (College of Medicine, Department of Anesthesiology/Professional Student)
**Authors:** C Dickens, J Waldfogel

# 6 Ototopical Neomycin Exposure in Children with Non-intact Tympanic Membranes

**Presenter:** Juan Hincapie-Castillo (Pharmaceutical Outcomes & Policy/Professional Student)
**Authors:** J Hincapie-Castillo, A Winterstein, P Antonelli, P Kubilis, D Xu

# 7 The Effects of Dietary Polyunsaturated Fatty Acids on Pain Response in Third Molar Surgery Patients

**Presenter:** Danielle Honein (Pharmacotherapy & Translational Research/Professional Student)
**Authors:** D Honein, B Hastie, M Stavropoulos, M Wallace, R Frye

# 8 Analysis of the Time-to-Positivity of Blood Cultures at a Tertiary Care Hospital: Antimicrobial Stewardship Implications

**Presenter:** Joseph Pardo (Shands, University of Florida/Professional Student)
**Authors:** J Pardo, K Klinker, S Borgert, G Trikha, R Ramphal

# 9 Drug-associated Health Outcomes of Interest: A Systematic Review of Published Literature

**Presenter:** Sarah Valentine (Pharmaceutical Outcomes and Policy/Professional Student)
**Authors:** S Valentine, A Hartzema

# 10 A Novel 5-HT2C Agonist/5-HT2A Antagonist Attenuates the Increase in Voluntary Ethanol Consumption Seen After a Period of Alcohol Deprivation in Rats

**Presenter:** Joshua Winegar (Pharmacodynamics/Professional Student)
**Authors:** J Winegar, C Doyle, A George, K MacFadyen, J Kasper, M Kim, C Canal, R Booth, J Peris

# 11 Immunization Error Rate With and Without the Use of a Standardized Order Set in an Ambulatory Pediatric Clinic Using a Computerized Physician Order Entry System

**Presenter:** Carolyn Smith (Pharmacotherapy & Translational Research/Post-doctoral Fellow)
**Authors:** C Smith, S Ryan, J Moxley, L Thames, A Schentrup

# 12 Association of $FTO$ with Hydrochlorothiazide-induced Elevation in Uric Acid in African American Hypertensives in the Pharmacogenomic Evaluation of Antihypertensive Response (PEAR) Study

**Presenter:** Alexander Vandell (Pharmacotherapy & Translational Research/Post-doctoral Fellow)
**Authors:** A Vandell, C McDonough, T Langace, B Burkley, Y Gong, S Turner, J Guns, A Chapman, A Beitelshes, K Bailey, E Boerwinkle, R Cooper-DeHoff, J Johnson

# 13 Comparison of Suboptimal Treatments Identified from Claims Data Alone with a Medication Therapy Management Patient Interview

**Presenter:** Tsu-Hsuan Yang (Pharmaceutical Outcomes and Policy/Post-doctoral Fellow)
**Authors:** T-H Yang, D Folmar, S Stevens, R Segal, A Wolf, P Sessions, J Lannigan
# 14 Non-synonymous SNPs in SELE, SELP, and SIGLEC12 Associated with Cardiovascular (CV) Outcomes in the International VErapamil SR-Trandolapril Study GENEtic Substudy (INVEST-GENES)

Presenter: Caitrin McDonough (Pharmacotherapy & Translational Research/Post-doctoral Fellow)
Authors: C McDonough, B Burkley, Y Gong, T Langae, C Pepine, R Cooper-DeHoff, J Johnson

# 15 Inhibitory Effect of Six Commonly used Herbal Extracts on CYP2C8 Enzyme Activity

Presenter: Ahmed Albassam (Pharmacotherapy & Translational Research/Graduate Student)
Authors: A Albassam, R Frye

# 16 Exploratory Pharmacokinetics-Pharmacodynamics (PK-PD) Target Attainment Analysis of PA-824

Presenter: Aline Barth (Pharmaceutics/Graduate Student)
Authors: A Barth, R Singh, E Egelund, Z Ahmad, E Nuermerberger, C Peloquin, H Derendorf

# 17 Compound-21, an AT2R Agonist, as a Novel Drug Therapy for Pulmonary Hypertension

Presenter: Erin Bruce (Pharmacodynamics/Graduate Student)
Authors: E Bruce, V Shenoy, A Rathinasabapathy, U Steckelings, T Unger, M Raizada, C Summers, M Katovich

# 18 A Novel Approach of Regenerative Medicine for the Treatment of Alpha 1 Antitrypsin Deficiency

Presenter: Mong-Jen Chen (Pharmaceutics/Graduate Student)
Authors: M-J Chen, Y Lu, T Hamazaki, H-Y Tsai, A Srivastava, V Chiodo, W Hauswirth, N Terada, S Song

# 19 Cortisol Increases Activated Caspase-3 in Conductive Cells in the Fetal Heart

Presenter: Xiaodi Feng (Pharmacodynamics/Graduate Student)
Authors: X Feng, M Keller-Wood

# 20 Breath Testing to Assess Definitive Adherence to Oral and Vaginal Medications

Presenter: Daniel Gonzalez (Pharmaceutics/Graduate Student)
Authors: D Gonzalez, T Morey, S Wasdo, J Wishin, B Quinn, A van der Straten, M Booth, H Derendorf, R Melker, D Dennis

# 21 Synthesis of an Enzyme-cleavable Macromolecular Prodrug of Valproic Acid for Targeted Drug Delivery

Presenter: AM Hassan (Pharmaceutics/Graduate Student)
Authors: AM Hassan, V Rolle, G Hochhaus

# 22 Exploring the Effects of Ammi visnaga on Kidney Stone Prevention: Pharmacokinetic Evaluation of Ammi visnaga Extract and Visnagin in Rats

Presenter: Karin Haug (Pharmaceutics/Graduate Student)
Authors: K Haug, B Weber, G Hochhaus, V Butterweck

# 23 Novel 5-HT2C Receptor Agonists Alter Reward Pathway GABA Release in Rats: A Promising Alcoholism Pharmacotherapy

Presenter: James Kasper (Pharmacodynamics/Graduate Student)
Authors: J Kasper, Z Sun, R Booth, J Peris

# 24 Preclinical Antipsychotic Efficacy of Novel Phenylaminotetralin (PAT) Analogs Acting at Serotonin 5-HT2 Receptors

Presenter: Krishnakanth Kondabolu (Medicinal Chemistry/Graduate Student)
Authors: K Kondabolu, D Morgan, R Sakhija, R Booth

# 25 Conjugation Causes Low Bioavailability of Gamma-mangostin in Rats

Presenter: Li Li (Pharmaceutics/Graduate Student)
Authors: L Li, A-R Han, A Ringhorn, R Frye, H Derendorf, V Butterweck

# 26 Population Pharmacokinetic Modeling of Methylprednisolone and Prednisolone after Multiple Oral Dosing in Healthy Subjects

Presenter: Li Li (Pharmaceutics/Graduate Student)
Authors: L Li, H Möllmann, J Barth, S Rohatagi, G Hochhaus, H Derendorf

# 27 Psychotropic Polypharmacy in Pediatric Patients with ADHD, 1999-006

Presenter: Xinyue Liu (Pharmaceutical Outcomes and Policy/Graduate Student)
Authors: X Liu, P Kubilis, A Winterstein

# 28 A Novel 5-HT2C agonist/5-HT2A Antagonist Attenuates the Increase in Voluntary Ethanol Consumption Seen After a Period of Alcohol Deprivation in Rats

Presenter: Kaley MacFadyen (Pharmacodynamics/Graduate Student)
Authors: K MacFadyen, C Doyle, J Winegar, A George, J Kasper, M Kim, C Canal, R Booth, J Peris
# 29 Polymorphisms in Both CYP3A5 and ABCB1 (MDRI/P-gp) are Risk Factors for Adverse Events in Jordanian Pediatric Renal Transplant Patients on Tacrolimus

Presenter: Sherwin Sy (Pharmaceutics/Graduate Student)
Authors: S Sy, R Singh, S Shilbayeh, R Zmeili, D Conrado, H Derendorf

# 30 Modulation of Voluntary Alcohol Consumption by 5-HT2A/C Receptor Subtypes: A Promising Target for Treating Alcoholism

Presenter: Rajiv Tikamdas (Pharmacodynamics/Graduate Student)
Authors: R Tikamdas, R Aramini, S Bisceglia, P Cogan, K Chen, J Kasper, M Kim, C Canal, R Booth, J Peris

# 31 Pharmacokinetic/Pharmacodynamic Modeling of In Vitro Activity of Vertilmicin, A Novel Aminoglycoside Against Three Bacterial Strains

Presenter: Luning Zhuang (Pharmaceutics/Graduate Student)
Authors: L Zhuang, S Sy, H Xia, A Barbour, R Singh, C Liu, H Derendorf

POSTER COMPETITION

Abdolreza Davoodi-Semiromi, PhD
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ORAL COMPETITION

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