22nd ANNUAL RESEARCH SHOWCASE AND AWARDS RECOGNITION DAY

THURSDAY, FEBRUARY 19th, 2009

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. William Millard, Executive Associate Dean (Room G-301, HPNP Building)

Levitt Division (20 minute presentations)

1:10pm - 1:30pm  Pranav Gandhi
1:30pm - 1:50pm  Christian Hampp

Junior Division (15 minute presentations)

1:55pm - 2:10pm  William M. Dismuke
2:10pm - 2:25pm  Wenjun Li
2:25pm - 2:40pm  Jay Schaub
2:40pm - 2:50pm  BREAK

Senior Division (20 minute presentations)

2:50pm - 3:10pm  Navin Goyal
3:10pm - 3:30pm  Hong Li
3:30pm - 3:50pm  Yanfei Qi
3:50pm - 4:10pm  Vinayak Shenoy

4:15pm - 5:15pm  Keynote Address – Robert R. Ruffolo, Jr., Ph.D., Retired President, Research & Development, Wyeth Pharmaceuticals and Senior Vice President, Wyeth Corporation. “The Trials and Tribulations of a Medical Breakthrough: The Discovery and Development of Coreg (Carvedilol) for the Treatment of Congestive Heart Failure” (Room G-101, HPNP Building)

5:30pm - 7:00pm  Awards Reception – Refreshments and Announcement of Winners (Reception Hall, HPNP Building)

ORAL COMPETITION

LEVITT DIVISION

#1  Presenter: Pranav Gandhi
    Department: Pharmaceutical Outcomes and Policy
    Research Title: Predictors of Health Status Change Among Patients Treated with a Calcium Antagonist- or an Atenolol-led Hypertension Strategy in the INternational VErapamil SR-Trandolapril Study (INVEST)

#2  Presenter: Christian Hampp
    Dept/Center: Pharmaceutical Outcomes and Policy
    Research Title: Cost-effectiveness of Respiratory Syncytial Virus Prophylaxis with Palivizumab from the Perspective of Florida Medicaid

JUNIOR DIVISION

#1  Presenter: William M. Dismuke
    Department: Pharmacodynamics
    Research Title: Activation of Soluble Guanylate Cyclase and the BKca Ion Channel Decrease Trabecular Meshwork Cell Volume and Increase Outflow Facility: Potential Targets for New Ocular Hypotensives

#2  Presenter: Wenjun Li
    Department: Medicinal Chemistry
    Research Title: Mitochondria as a Novel Site of Biotransformation of Dichloroacetate by Glutathione Transferase Zeta

#3  Presenter: Jay Schaub
    Department: Pharmacodynamics
    Research Title: Obesity Syndrome Associated with Melanocortin-4 Receptor Knockout Genotype in Mice and its Mediation by Voluntary Exercise Appears to be Sex Dependant

SENIOR DIVISION

#1  Presenter: Navin Goyal
    Department: Pharmaceutics
    Research Title: Bioequivalence of Inhaled Corticosteroids: A Promising Solution

#2  Presenter: Hong Li
    Department: Pharmaceutics
    Research Title: Adult Stem Cell Gene Therapy for Alpha 1-Antitrypsin Deficiency

#3  Presenter: Yanfei Qi
    Department: Pharmacodynamics
    Research Title: AAV9 Mediates a more Specific Cardiac Gene Transfer in the Rat than AAV2, AAV5, AAV7, and AAV8

#4  Presenter: Vinayak Shenoy
    Department: Pharmacodynamics
    Research Title: Prevention of Monocrotaline-induced Pulmonary Hypertension by Lentiviral Mediated Gene Delivery of Angiotensin-(1-7)
# 1 Investigating Alternative Signaling Pathways for the Melanocortin-4 Receptor
Presenter: Sarah Carey (Pharmacodynamics/Pharmacy Student)
Authors: S Carey, J Schaub, M Dirain, Z Xiang, C Haskell-Luevano

# 2 HIV Testing in the Emergency Department: A Survey of Florida Acute Care Hospitals
Presenter: Stacy Chao (Pharmaceutical Outcomes and Policy/Pharmacy Student)
Authors: S Chao, T Kauf, S Linden

# 3 Consumer Comprehension of Consumer Medication Information Leaflets
Presenter: Erica Fernandez (Pharmaceutical Outcomes and Policy/Pharmacy Student)
Authors: E Fernandez, A Winterstein, S Linden, A Lee, C Kimberly

# 4 Inclusion of Off-label Indications in Consumer Medication Information Leaflets
Presenter: Abigail Lee (Pharmaceutical Outcomes and Policy/Pharmacy Student)
Authors: A Lee, C Kimberly, E Fernandez, A Winterstein

# 5 The Effects of Atorvastatin on MCP-1 Levels in Healthy Adults
Presenter: Michael Meldrum (Pharmacy Practice/Pharmacy Student)
Authors: M Meldrum, J Shuster, D Theriaque, G Welder, M Haller, R Schofield, I Zineh

# 6 Modifications of the Melanocortin Tetrapeptide Ac-His-DPhe-Arg-Trp-NH2 at the DPhe and Arg Positions and their Interactions with Mouse Melanocortin Receptors
Presenter: Marie Morrow (Pharmacodynamics/Pharmacy Student)
Authors: M Morrow, E Haslach, A Singh, M Dirain, C Haskell-Luevano

# 7 Effect of Maternal Cortisol on Expression of Placental Genes Related to Fetal and Placental Growth
Presenter: Marjorie Rochette (Pharmacodynamics/Pharmacy Student)
Authors: M Rochette, M Keller-Wood

# 8 Medication Errors in Otolaryngology Surgery
Presenter: Rebecca Rosenwasser (Pharmaceutical Outcomes and Policy/Pharmacy Student)
Authors: R Rosenwasser, A Winterstein, P Antonelli, A Rosenberg, E Rosenberg

# 9 The Role of the Poison Control Center: A Community Pharmacist Prospective
Presenter: Shelby Troendle (Pharmacy Practice/Pharmacy Student)
Authors: S Troendle, S Normann

# 10 Atorvastatin Reduces ENA-78 Chemokine Concentrations Independent of LDL-C Changes in a Cardiovascular Disease Free Population
Presenter: Greg Welder (Pharmacy Practice/Pharmacy Student)
Authors: G Welder, R Schofield, I Zineh

# 11 Alpha-1 Antitrypsin Ameliorates Development of Rheumatoid Arthritis in Mouse Model
Presenter: Christian Grimstein (Pharmaceutics/Post-doctoral Fellow)
Authors: C Grimstein, Y-K Choi, S Song

# 12 In Vivo Anti-tumor Effect of Fusion Plasmid hp19ART-TAT using FGF2-targeted Cationic Lipid System
Presenter: Guoqin Niu (Pharmaceutics/Post-doctoral Fellow)
Authors: G Niu, S Sullivan, J Hughes

# 13 Population Pharmacodynamic Modeling of Ordered Categorical Data from Patients with Plaque Psoriasis
Presenter: Sreedharan Sabarinath (Pharmaceutics/Post-doctoral Fellow)
Authors: S Sabarinath, N Goyal, G Schmith, H Derendorf

# 14 Incorporation of Reverse Turn Mimetic into Chimeric Melanocortin-AGRP Peptide Template: Design, Synthesis and Pharmacology
Presenter: Anamika Singh (Pharmaceutics/Post-doctoral Fellow)
Authors: A Singh, J Holder, A Wilczynski, R Witek, C Haskell-Luevano

# 15 Soft Tissue Penetration of Cefuroxime Determined by Clinical Microdialysis in Morbidly Obese Patients Undergoing Abdominal Surgery
Presenter: April Barbour (Pharmaceutics/Graduate Student)
Authors: A Barbour, S Schmidt, W Rout, K Ben-David, O Burkhardt, H Derendorf

# 16 Cannabinoid Receptor Agonists Potentiate Action Potential Independent Release of GABA in the Dentate Gyrus Through a CBI Receptor Independent Mechanism
Presenter: Chinki Bhatia (Pharmaceutics/Graduate Student)
Authors: C Bhatia, M Hofmann, F Frazier
# 17 Persistent of Stimulant Treatment among Youths Newly Diagnosed with Attention Deficit/Hyperactivity Disorders (ADHD)

Presenter: Chih-Ying Chen (Pharmaceutical Outcomes and Policy/Graduate Student)
Authors: C-Y Chen, A Winterstein

# 18 Design, Synthesis and Pharmacology of a Peptide Library Modeling the Melanocortin Tetrapeptide, Ac-His-DPhe-Arg-Trp-NH2, to Function as Selective MC4R Antagonists

Presenter: Erica Haslach (Pharmacodynamics/Graduate Student)
Authors: E Haslach, M Dirain, C Haskell-Luevano

# 19 Hydrochlorothiazide Modulates Cardiometabolic Gene Expression in Human Endothelial Cells

Presenter: Julio Duarte (Pharmacy Practice/Graduate Student)
Authors: J Duarte, J Johnson, B Kone, I Zineh

# 20 The Effect of Hydrochlorothiazide on Endothelial Expression of Sirtuin-1, a Diabetes-associated Gene

Presenter: Julio Duarte (Pharmacy Practice/Graduate Student)
Authors: J Duarte, J Johnson, B Kone, I Zineh

# 21 Effects of PAT, a Novel 5HT2 Modulator, on Extracellular Neurotransmitter Levels in the Striatum and Nucleus Accumbens

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

# 22 Novel PLA2-conjugated Polymeric Nanoparticles for Non-viral Gene Delivery

Presenter: Huong Le (Pharmaceutics/Graduate Student)
Authors: H Le, A Hirko, J Hughes

# 23 Patient Counseling Efforts in U.S. Community Pharmacies: Associations to Pharmacy and Personnel Attributes

Presenter: Stephan Linden (Pharmaceutical Outcomes and Policy/Graduate Student)
Authors: S Linden, C Kimberlin, A Winterstein

# 24 PK/PD Studies Focusing on Physical Dependence and Analgesic Tolerance of Fentanyl in Rats

Presenter: Jiang Liu (Pharmaceutics/Graduate Student)
Authors: J Liu, H Pan, A Brujinzeel, F Wong, M Gold, A Mauderli, H Derendorf

# 25 Role of Mitochondria in Manganese-stimulated Reactive Oxygen Species Production in Microglia

Presenter: Yue Liu (Pharmacodynamics/Graduate Student)
Authors: Y Liu, K Lokuta, G Dutta, P Zhang, D Barber, B Liu

# 26 Effect of a Lysolipid on the Efficiency of pH Sensitive Liposomes

Presenter: Ryan Mesaros (Pharmaceutics/Graduate Student)
Authors: R Mesaros, J Hughes

# 27 Inhalable Corticosteroid Nanoparticles for Asthma Management

Presenter: Gina Patel (Pharmaceutics/Graduate Student)
Authors: G Patel, G Hochhaus

# 28 Is Protein Binding Important for Drugs with High Receptor Affinities?

Presenter: Gina Patel (Pharmaceutics/Graduate Student)
Authors: G Patel, G Hochhaus

# 29 New Digitization Methods for the Analysis of Synergistic Dopaminergic Interactions with Apomorphine

Presenter: Stephen Phipps (Pharmaceutics/Graduate Student)
Authors: S Phipps, V Butterweck

# 30 Population Pharmacokinetic Model of Regular Human Insulin Following Different Routes of Administration

Presenter: Elizabeth Potocka (Pharmaceutics/Graduate Student)
Authors: E Potocka, R Baughman, H Derendorf

# 31 OATP1B1 Polymorphic Effects on Inflammatory Mediators in Atorvastatin-treated Subjects

Presenter: Melonie Potvin (Pharmacy Practice/Graduate Student)
Authors: M Potvin, G Welder, I Zineh, R Schofield, R Frye

# 32 Effects of α7 Nicotinic Receptor Gene Delivery on Processes Underlying Cell Viability

Presenter: Yan Ren (Pharmaceutics/Graduate Student)
Authors: Y Ren, E Meyer, J Hughes
POSTER COMPETITION (cont.)

# 33 Effect of Stimulant Medication on Height and Weight in Children with Attention Deficit Hyperactivity Disorder
Presenter: Jane Ritho (Pharmaceutical Outcomes and Policy/Graduate Student)
Authors: J Ritho, C Garvan, R Bussing

# 34 Initiation of Hydroxyurea Therapy Among Sickle Cell Disease Patients Enrolled in a Medicaid Program
Presenter: Jane Ritho (Pharmaceutical Outcomes and Policy/Graduate Student)
Authors: J Ritho, A Hartzema

# 35 Oxidative Stress-mediated Cooperative Dopaminergic Neurotoxicity of Pesticides Dieldrin and Lindane
Presenter: Heera Sharma (Pharmacodynamics/Graduate Student)
Authors: H Sharma, P Zhang, D Barber, B Liu

# 36 Retard Memory Loss in APP/PS1 Mice Model through AAV-8 Gelsolin Delivery
Presenter: Zhaohua Wang (Pharmaceutics/Graduate Student)
Authors: Z Wang, E Meyer, M King, J Hughes

# 37 Utilizing Mechanism-based Pharmacokinetic/Pharmacodynamic Models to Understand and Prevent Antimicrobial Resistance
Presenter: Benjamin Wu (Pharmaceutics/Graduate Student)
Authors: B Wu, H Derendorf

# 38 Herb-drug Interactions: Investigating the Effects of Herbal Supplements on Glucuronidation of Drugs
Presenter: Mohamed-Eslam Mohamed (Pharmacy Practice/Graduate Student)
Authors: M-E Mohamed, R Frye

# 39 Discovery of Secondary Metabolites from Marine Cyanobacteria with Diverse Bioactivities
Presenter: Jason Kwan (Medicinal Chemistry/Graduate Student)
Authors: J Kwan, T Meickle, D Ladwa, M Teplitski, V Paul, H Luesch

POSTER COMPETITION

Lisa Inge, PharmD.
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JUDGES

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