

23RD ANNUAL RESEARCH SHOWCASE AND AWARDS RECOGNITION DAY

THURSDAY, FEBRUARY 18TH, 2010



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 Ayad Ali
1:30pm - 1:50pm Stephan Linden

Junior Division (15 minute presentations)

1:55pm - 2:10pm Jay Schaub
2:10pm - 2:25pm Huong Le
2:25pm - 2:40pm Erica Haslach

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** – A. Waseem Malick, Ph.D., Vice President, Pharmaceutical & Analytical Research & Development, Hoffman-LaRoche, Inc. *Drug Delivery – Past Present & Future “A Personal Perspective”* (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: **Ayad Ali**
Department: Pharmaceutical Outcomes and Policy
Research Title: Pharmacovigilance Study for Postmarketing Safety Evaluation of Aliskiren Hemifumarate, a New Molecular Entity

#2 Presenter: **Stephan Linden**
Dept/Center: Pharmaceutical Outcomes and Policy
Research Title: Do Central Nervous System Stimulants Affect the Number of Driving Accidents in Adolescents with Attention-Deficit/Hyperactivity Disorder?

JUNIOR DIVISION

#1 Presenter: **Jay Schaub**
Department: Pharmacodynamics
Research Title: Onset of Increased Adiposity of the Melanocortin-3 Receptor Knockout Mouse is Prevented by Voluntary Exercise

#2 Presenter: **Huong Le**
Department: Pharmaceutics
Research Title: Effect of Gelsolin and AAT Therapy on Brain Injury caused by Stroke

#3 Presenter: **Erica Haslach**
Department: Pharmacodynamics
Research Title: Determination of Unique AGRP and MC4R Interactions: Use of Stereochemical Modifications of Ligands and Receptor Mutagenesis

SENIOR DIVISION

#1 Presenter: **Jason Kwan**
Department: Medicinal Chemistry
Research Title: Grassystatins A-C from Marine Cyanobacteria, Potent Cathepsin E Inhibitors that Reduce Antigen Presentation

#2 Presenter: **Mohamed Eslam Mohamed**
Department: Pharmacotherapy and Translational Research
Research Title: Screening for Unidentified Herb-drug Interactions: Looking Beyond Cytochrome P450

#3 Presenter: **Benjamin Wu**
Department: Pharmaceutics
Research Title: Population Pharmacokinetic/Pharmacodynamic and Linear Regression Models for Type 2 Diabetes

POSTER COMPETITION

1 Nationwide Policies Surrounding Palivizumab (Synagis®) Utilization in Medicaid

Presenter: Nerissa Alday (Pharm. Outcomes & Policy/Pharmacy Student)
Authors: N Alday, C Hampp, A Winterstein

2 Clinical Association of Variation in the $\beta 2$ Regulatory Subunit of the Voltage-gated Calcium (*CACNB2*) with Outcomes in Hypertensive Coronary Artery Disease (CAD) Patients

Presenter: Bryan Allen (Jacksonville Campus/Pharmacy Student)
Authors: B Allen, H Davis, Y Gong, R Cooper-DeHoff, C Pepine, J Johnson

3 Synthesis and Chemical Hydrolysis of Dextran-Methylprednisolone Conjugates as Ophthalmic Prodrug

Presenter: Isabel Andueza (Pharmaceutics/Pharmacy Exchange Student)
Authors: I Andueza, J Rocca, G Hochhaus

4 A Correlation between Concomitant Medications and Dose Limiting Toxicities or Severe Adverse Effects in Phase I Clinical Trials of Targeted Antineoplastic Agents

Presenter: Jason Ferreira (St. Pete Campus/Pharmacy Student)
Authors: R Lush, J Ferreira

5 The Impact of CACNA1C Variants on New Onset Diabetes in the INVEST Trial

Presenter: Allison George (Pharm. & Translational Research/Pharmacy Student)
Authors: A George, J Karnes, Y Gong, T Langae, L Stauffer, B Burkley, C Pepine, J Johnson, R Cooper-DeHoff

6 Aromatase Genotypeis Associated with Outcomes in the International Verapamil SR/Trandolapril Study (INVEST)

Presenter: Megan Hames (Pharm. & Translational Research/Pharmacy Student)
Authors: M Hames, G Welder, J Wittmann, R Cooper-DeHoff, C Pepine, J Johnson, A Beitelshes

7 Potential Benefits of Warfarin Monitoring by a Clinical Pharmacist in a Long Term Care Facility

Presenter: Kelly Jones (Jacksonville Campus/Pharmacy Student)
Authors: C Motycka, K Jones

8 Oral Counseling Practices in U.S. Community Pharmacies

Presenter: Allison Newland Jamison (Pharm. Outcomes & Policy/Pharmacy Student)
Authors: A Newland Jamison, S Linden, C Kimberlin, A Winterstein

POSTER COMPETITION (cont.)

9 Overload and Redundancy in Consumer Medication Information

Presenter: Allison Jamison (Pharm. Outcomes & Policy/Pharmacy Student)
Authors: A Jamison, A Winterstein, C Kimberlin

10 Binge Ethanol Exposure Increases Ethanol Preference under Free Access Choice Conditions

Presenter: Brian McCullough (Pharmacodynamics/Pharmacy Student)
Authors: B McCullough, D Accaputo, N Rhodes, D Wallenfang, S Eckels, S Rohlbuller, J Bryan, A Zharikova, J Peris

11 The Effects of Binge Ethanol Exposure on Initiation and Maintenance of Operant Responding for Ethanol Gel

Presenter: Nathaniel Rhodes (Pharmacodynamics/Pharmacy Student)
Authors: N Rhodes, D Wallenfang, B McCullough, D Accaputo, S Eckels, S Rohlbuller, J Bryan, A Zharikova, J Peris

12 Noninvasive Measurement of Central Aortic Blood Pressure in Hypertensive Patients Treated with Controlled-release Carvedilol or Atenolol

Presenter: Niren Shah (Pharm. & Translational Research/Pharmacy Student)
Authors: B Epstein, W Nichols, N Shah, H Hall

13 Hepatitis B Reactivation and Rituximab in the Oncology Practice

Presenter: Jeryl Villadolid (Pharm. & Translational Research/Pharmacy Student)
Authors: J Villadolid, K LaPlant, M Markham, T George

14 Association of OPG and CIP2A Polymorphisms with Bisphosphonate Associated Osteonecrosis of the Jaw

Presenter: Justin Wasko (Pharm. & Translational Research/Pharmacy Student)
Authors: J Wasko, O Casanova, Y Gong, J Katz, J Moreb, J Johnson, T Langae

15 Celecoxib Modulation of Estrogen Sulfonation

Presenter: Sriram Ambadapadi (Medicinal Chemistry/Graduate Student)
Authors: S Ambadapadi, M James

16 Potential Therapeutic Treatment of Doxorubicin-induced Cardiomyopathy

Presenter: Erin Bruce (Pharmacodynamics/Graduate Student)
Authors: E Bruce, D Ely, S Ma, M Raizada, M Katovich

17 Cystatin C Released Post Neuronal Injury is Important for Microglial Activation

Presenter: Garima Dutta (Pharmacodynamics/Graduate Student)
Authors: G Dutta, P Zhang, D Barber, B Liu

POSTER COMPETITION (cont.)

- # 18 Effects of Plasma Protein Binding on Half-life of Elimination**
Presenter: Daniel Gonzalez (Pharmaceutics and Pharm. & Translational Research/Graduate Student)
Authors: D Gonzalez, S Schmidt, H Derendorf
- # 19 Age-related Changes in Expression and Activity of Glutathione Transferase Zeta (GSTz) I Human Liver**
Presenter: Yuan Gu (Medicinal Chemistry/Graduate Student)
Authors: Y Gu, W Li, R Hines, P Stacpoole, M James
- # 20 Effects of Novel 5HT2 Modulators on Extracellular Neurotransmitter Levels in the Striatum**
Presenter: James Kasper (Pharmacodynamics/Graduate Student)
Authors: J Kasper, Z Sun, R Booth, J Peris
- # 21 Age-related Risk for RSV Hospitalizations in Premature Children – Are Updated AAP Guidelines Appropriate?**
Presenter: Caitlin Knox (Pharm. Outcomes & Policy/Graduate Student)
Authors: C Knox, C Hampp, A Winterstein
- # 22 Rasch Analysis of Hall’s Professional Model**
Presenter: Christine Lee (Pharm. Outcomes & Policy/Graduate Student)
Authors: C Lee, R Segal, C Velozo, B Choi
- # 23 Novel Bioactive Cyclodepsipeptides from a Marine Cyanobacterium from Guam**
Presenter: Rana Montaser (Medicinal Chemistry/Graduate Student)
Authors: R Montaser, K Abboud, V Paul, H Luesch
- # 24 Tissue Distribution Studies of an Investigational New Antibiotic using Microdialysis**
Presenter: Runa Naik (Pharmaceutics/Graduate Student)
Authors: R Naik, R Singh, H Derendorf
- # 25 Validity of an Algorithm for the Identification of Premature Infants using Medicaid Administrative Data**
Presenter: Efe Odia (Pharm. Outcomes & Policy/Graduate Student)
Authors: E Odia, C Hampp, A Winterstein
- # 26 Nanocomposite Inhaled Corticosteroid Particles for Asthma Therapy**
Presenter: Gina Patel (Pharmaceutics/Graduate Student)
Authors: G Patel, G Hochhaus

POSTER COMPETITION (cont.)

- # 27 Effects of Alpha 7 Nicotinic Receptor Gene Delivery on Processes Underlying Cell Viability and Cell Differentiation**
Presenter: Yan Ren (Pharmaceutics/Graduate Student)
Authors: Y Ren, L Zhang, E Meyer, J Hughes, S Song
- # 28 Evaluation of Tissue Distribution of TR-701 in Healthy Volunteers, Using Microdialysis**
Presenter: Martina Sahre (Pharmaceutics/Graduate Student)
Authors: M Sahre, S Sabarinath, M Grant, C Seubert, C deAnda, H Derendorf
- # 29 Dereplication and Discovery of Secondary Metabolites from Marine Cyanobacteria *Symploca* sp**
Presenter: Lilibeth Salvador (Medicinal Chemistry/Graduate Student)
Authors: L Salvador, V Paul, H Luesch
- # 30 Marine Drug Discovery in the Dry Tortugas**
Presenter: Gudrun Schlegel (Medicinal Chemistry/Graduate Student)
Authors: G Schlegel, L Salvador, L Angermeier, H Luesch
- # 31 Fixed Dosing versus Body Size-based Dosing of Therapeutic Protein and Peptides in Adults**
Presenter: Rong Shi (Pharmaceutics/Graduate Student)
Authors: R Shi, C Li, K Parivar, S Zhang, H Derendorf, D Wang
- # 32 Development and Validation of HPLC-UV Method for Quantification of Triamcinolone Acetonide in Rat Plasma and Microdialysate**
Presenter: Manuela de Lima Toccafondo Vieira (Pharmaceutics/Graduate Student)
Authors: M Vieira, H Derendorf
- # 33 Activation of the Antioxidant Response Element by Specific Oxidized Metabolites of Linoleic Acid**
Presenter: Rui Wang (Medicinal Chemistry/Graduate Student)
Authors: R Wang, J Kern, T Goodfriend, D Ball, H Luesch
- # 34 Simulation-based evaluation of T_{max} as a Pharmacokinetic Parameter to Assess Bioequivalence of Inhaled Corticosteroids**
Presenter: Benjamin Weber (Pharmaceutics/Graduate Student)
Authors: B Weber, N Goyal, G Hochhaus

POSTER COMPETITION (cont.)

- # 35 Is Antiepileptic Drug Use Associated with Suicidality in Patients with Epilepsy?**
Presenter: Xuerong (Sheron) Wen (Pharm. Outcomes & Policy/Graduate Student)
Authors: X Wen, K Meador, D Loring, S Eisenschenk, A Hartzema
- # 36 Characteristics of Current Pharmacist Immunization Practices in Florida**
Presenter: Bingcao Wu (Pharm. Outcomes & Policy/Graduate Student)
Authors: E Lipowski, B Wu, K Whalen
- # 37 Pharmacokinetic Study of Thermosensitive Liposome-encapsulated Lomustine in C6 Glioma Model Rats**
Presenter: Luning Zhuang (Pharmaceutics/Graduate Student)
Authors: L Zhuang, J Gao, H Derendorf, C Liu
- # 38 Do Central Nervous System Stimulants Affect the Number of Driving Accidents in Adolescents with Attention-Deficit/Hyperactivity Disorder?**
Presenter: Stephan Linden (Pharm. Outcomes & Policy/Graduate Student)
Authors: S Linden, A Winterstein, K Wörtz, L Huazhi
- # 39 The Mode of action of Apratoxin A**
Presenter: Yanxia Liu (Medicinal Chemistry/Post-doctoral Fellow)
Authors: Y Liu, B Law H Luesch
- # 40 Polymorphisms in Genes Coding for GRK2 and GRK5 and Response Differences in Treated Hypertensive Patients**
Presenter: Maximilian Lobmeyer (Pharm. & Translational Research/Post-doctoral Fellow)
Authors: M Lobmeyer, L Wang, A Beitelshes, A Chapman, J Gums, E Boerwinkle, S Turner, R Cooper-DeHoff, C Pepine, J Johnson
- # 41 The Effect of Lysophospholipid on Cationic Lipid-based siRNA Delivery System**
Presenter: Guoqin Niu (Pharmaceutics/Post-doctoral Fellow)
Authors: G Niu, H Derendorf, J Hughes
- # 42 Structural Characterization of the Potent and Selective Peptide-Peptidomimetic Hybrid Melanocortin Receptor Analogues**
Presenter: Anamika Singh (Pharmacodynamics/Post-doctoral Fellow)
Authors: A Singh, J Holder, A Wilczynski, R Witek, A Edison, C Haskell-Luevano
- # 43 Effects of Melanocortin Receptor Stimulation on the Renin-Angiotensin System**
Presenter: Hua Yao (Pharmacodynamics/Post-doctoral Fellow)
Authors: H Yao, A Andreasen, J Schaub, C Haskell-Luevano

JUDGES

POSTER COMPETITION

John Abernethy, M.D.
Medical Director
Nanotherapeutics, Inc.
Alachua, FL

Rachel Hrabchak, PharmD
Clinical Assistant Professor
Department of Pharmacotherapy and
Translational Research
College of Pharmacy
University of Florida

Carol Kobulnicky, Ph.D.
Associate Professor
Department of Pharmacy Administration
College of Pharmacy
University of Wyoming

Burcin Unel, Ph.D
Clinical Assistant Professor
Department of Pharmaceutical
Outcomes and Policy
College of Pharmacy
University of Florida

Karen Whalen, PharmD
Regional Director, WPPD Program
Department of Pharmacotherapy and
Translational Research
College of Pharmacy
University of Florida

Haojie Zhu, Ph.D.
Clinical Assistant Professor
Department of Pharmacotherapy and
Translational Research
College of Pharmacy
University of Florida

ORAL COMPETITION

A. Waseem Malick, Ph.D.
Vice President
Pharmaceutical & Analytical
Research and Development
Hoffman-LaRoche, Inc.
Nutley, NJ

Folakemi T. Odedina, Ph.D.
Professor, Department of Pharmaceutical
Outcomes and Policy
College of Pharmacy
Director, Community Outreach &
Minority Affairs
Prostate Disease Center
Department of Urology
College of Medicine
University of Florida

Robert R. Ruffolo, Jr., Ph.D.
Retired President
Research and Development
Wyeth Corporation
Spring City, PA

Nicholas Simpson, M.D.
Assistant Professor
Department of Endocrinology
College of Medicine
University of Florida