

19TH ANNUAL RESEARCH SHOWCASE AND AWARDS RECOGNITION DAY

THURSDAY, FEBRUARY 23RD, 2006



UNIVERSITY OF FLORIDA
COLLEGE OF PHARMACY

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SCHEDULE OF EVENTS

8:00am - 9:15am Set-up – Poster Presentations (Reception Hall)

POSTER COMPETITION

9:00am - 11:30am **Poster Competition** – Students Present for Judging (Reception Hall)

11:45am - 12:45pm **Luncheon** – Poster and Oral Judges (Pharmacy Health Care Administration Conference Room, Room 2309)

ORAL COMPETITION

1:00pm - 1:10pm **Introduction** – Dr. William Millard, Executive Associate Dean (Room G-112)

Levitt Division (20 minute presentations)

1:10pm - 1:30pm Christian Hampp
1:30pm - 1:50pm Tobias Gerhard

Junior Division (15 minute presentations)

1:55pm - 2:10pm Krista Wilson
2:10pm - 2:25pm Bettina Proneth
2:25pm - 2:40pm Maximilian Lobmeyer
2:40pm - 2:55pm Wouter Driessen

3:00pm - 3:15pm **Break**

Senior Division (20 minute presentations)

3:15pm - 3:35pm Aleksandar Todorovic
3:35pm - 3:55pm James Sacco
3:55pm - 4:15pm Aaron Hirko
4:15pm - 4:35pm Justin Grobe

5:00pm - 7:00pm **Awards Reception** – Announcement of Winners (Reception Hall)

ORAL COMPETITION

LEVITT DIVISION

#1 Presenter: **Christian Hampp**
Department: Pharmacy Health Care Administration
Research Title: Cost-utility Analysis of Rimonabant in the Treatment of Obesity

#2 Presenter: **Tobias Gerhard**
Department: Pharmacy Health Care Administration
Research Title: Association between Cardiovascular Outcomes, Diuretic Therapy and the α -adducin Polymorphism: Results from the International Verapamil SR-Trandolapril Study GENetic Substudy (INVEST GENES)

JUNIOR DIVISION

#1 Presenter: **Krista Wilson**
Department: Medicinal Chemistry
Research Title: Cation- π Interactions are Involved in the Determination of Agonist and Antagonist Selectivity in Melanocortin Ligands

#2 Presenter: **Bettina Proneth**
Department: Medicinal Chemistry
Research Title: Development of an Assay to Monitor Differences in Receptor-ligand Dissociation Kinetics of Human Melanocortin-4-receptor Polymorphisms Associated with Severe Obesity in Humans

#3 Presenter: **Maximilian Lobmeyer**
Department: Pharmaceutics
Research Title: Synergistic Polymorphisms of β_1 - and α_{2c} - Adrenergic Receptors and the Influence on Left Ventricular Ejection Fraction in Response to β -Blocker Therapy in Heart Failure

ORAL COMPETITION (cont.)

JUNIOR DIVISION (cont.)

#4 Presenter: **Wouter Driessen**
Department: Pharmaceutics
Research Title: Peptide Targeted Lipid Based Gene Delivery

SENIOR DIVISION

#1 Presenter: **Aleksandar Todorovic**
Department: Medicinal Chemistry
Research Title: *In Vitro* and *in Vivo* Characterization of Adrenocorticotropic Truncated Analogues

#2 Presenter: **James Sacco**
Department: Medicinal Chemistry
Research Title: Glucuronidation of Polychlorinated Biphenyls (OH-PCBs) in the Channel Catfish (*Ictalurus Punctatus*)

#3 Presenter: **Aaron Hirko**
Department: Pharmaceutics
Research Title: Peripheral Expression of Plasma Gelsolin Reduces Amyloid β in Two Separate Mouse Models of Alzheimer's Disease

#4 Presenter: **Justin Grobe**
Department: Pharmacodynamics
Research Title: Prevention of Hypertension-induced Cardiac Remodeling by Angiotensin-(1-7)

POSTER COMPETITION

1 **Integrating Susceptibility Data from Two Surveillance Programs with Unique Methodological Techniques: The Antibiogram Resistance Method or Isolate-based Resistance Monitoring (ARMOR)**
Presenter: Benjamin J Epstein (Pharmacy Practice/Post-doctoral Fellow)
Authors: B Epstein, J Gums, P Turner

2 **Relative Amount of Fluticasone Delivered by HFA-MDI to Children of Different Ages**
Presenter: Yasmeen R Khan (Pharmacy Practice/Post-doctoral Fellow)
Authors: Y Khan, G Hochhaus, T Spencer, J Shustee, L Hendeles

3 **Mixed Effect Modeling of Ertapenem Pharmacokinetics in ICU Patients**
Presenter: Vipul Kumar (Pharmaceutics/Post-doctoral Fellow)
Authors: V Kumar, O Burkhardt, J Peszynska, H Derendorf

4 **A β_2 -adrenoceptor Haplotype is Associated with the Increased Risk for Death and Heart Transplantation in Heart Failure Patients**
Presenter: Jaekyu Shin (Pharmacy Practice/Post-doctoral Fellow)
Authors: J Shin, M Lobmeyer, Y Gong, I Zineh, T Langae, H Yarandi, R Schofield, J Aranda, J Hill, D Pauly, J Johnson

5 **Citrus Flavonoids in the Inhibition of P-glycoprotein in Vitro**
Presenter: Susanne Talcott (Pharmaceutics/Post-doctoral Fellow)
Authors: S Talcott, W de Castro, V Butterweck, H Derendorf

6 **Conformational Studies of Agouti-Related Protein (AGRP) Peptides**
Presenter: Andrzej Wilczynski (Medicinal Chemistry/Post-doctoral Fellow)
Authors: A Wilczynski, K Wilson, J Scott, A Edison, C Haskell-Luevano

7 **Effect of High-dose Atorvastatin on Serum Leptin Concentrations in Individuals without Dyslipidemia**
Presenter: Julie Cromer (Pharmacy Practice/Pharmacy Student)
Authors: J Cromer, T Wessel, C Arant, R Schofield, I Zineh

8 **Significant Association Between Endothelin Receptor A Haplotype and Death or Heart Transplantation in Heart Failure Patients**
Presenter: Heather Marie Davis (Pharmacy Practice/Pharmacy Student)
Authors: H Davis, J Shin, T Langae, Y Gong, D Pauly, J Johnson

POSTER COMPETITION (cont.)

- # 9 Isolation and Characterization of Act-A Protein from *Listeria Monocytogenes***
Presenter: Aaron Falchook (Pharmaceutics/Pharmacy Student)
Authors: A Falchook, J Hughes
- # 10 Weight-based Heparin Protocols are Efficacious...But Are They Effective?**
Presenter: Cristin Hogan (Pharmacy Health Care Admin/Pharmacy Student)
Authors: C Hogan, A Winterstein, T Johns, J Layon, M Russin, C Klodell
- # 11 Changes in Weight Associated with Second Generation Antipsychotics and Their Association with Blood Pressure Change**
Presenter: Joel R M^cConkey (Pharmacy Health Care Admin/Pharmacy Student)
Authors: J M^cConkey, P Garman, C Hsu, M Bengtson, L Ried
- # 12 Circadian Variation of Blood Pressure in Severe Chronic Heart Failure**
Presenter: Mariellen Moore (Pharmacy Practice/Pharmacy Student)
Authors: M Moore, R Schofield, S Kline, Y Gong, V Bhanderi, J Johnson
- # 13 Inhibition of BVD Virus Replication by Cellular Delivery of UT 231-B and Amantadine Using Cationic Liposomes**
Presenter: Chetan Patel (Pharmaceutics/Pharmacy Student)
Authors: C Patel, N Nguyen, T Dartsch, J Terrell, J Hughes
- # 14 Development of a Semi-mechanistic Pharmacokinetic/Pharmacodynamic Approach for Linezolid**
Presenter: Christian Scheerans (Pharmaceutics/Exchange Student)
Authors: C Scheerans, J Wagner, U Goebel, C Kloft, H Derendorf
- # 15 Atorvastatin Effect on Circulating and Leukocyte-produced CD40 Ligand in People with Normal Cholesterol**
Presenter: Gregory J Welder (Pharmacy Practice/Pharmacy Student)
Authors: G Welder, C Arant, T Wessel, R Schofield, I Zineh
- # 16 Complementary and Alternative Medicine (CAM) Use Among Individuals Participating in Research: Implications for Research and Practice**
Presenter: Gregory J Welder (Pharmacy Practice/Pharmacy Student)
Authors: G Welder, T Wessel, C Arant, R Schofield, I Zineh
- # 17 Cardiac Myocyte and Fibroblast ACE2 Activity and Modulation by Estrogens**
Presenter: Jillian M Stewart (Pharmacodynamics/Pharmacy Student)
Authors: J Stewart, J Grobe, M Raizada, M Katovich

POSTER COMPETITION (cont.)

- # 18 Evaluation of the Effect of Grapefruit Juice and its Components on P-glycoprotein Activity**
Presenter: Whocely Victor de Castro (Pharmaceutics/Graduate Student)
Authors: W de Castro, S Mertens-Talcott, V Butterweck, H Derendorf
- # 19 Differential Effects of Switching from Olanzapine to Another Second Generation Antipsychotic (SGA) on C-LDL, C-HDL, and Triglyceride Levels: Findings from a VA Population with Schizophrenia**
Presenter: Patrick M Garman (Pharmacy Health Care Admin/Graduate Student)
Authors: P Garman, C Hsu, M Bengtson, J M^cConkey L Ried
- # 20 Treatment of Arthritis in DBA 1 Mice using Alpha 1-Antitrypsin Protein Therapy**
Presenter: Christian Grimstein (Pharmaceutics/Graduate Student)
Authors: C Grimstein, Y-K Choi, M Siemer, S Song
- # 21 Anxiolytic Activity of a Leave Extract of Apocynum Venetum L and Possible Mechanisms of Action**
Presenter: Oliver Grundmann (Pharmaceutics/Graduate Student)
Authors: O Grundmann, S Seo, J-I Nakajima, V Butterweck
- # 22 Transduction of Oval Cells by AAV and Lenti Vectors**
Presenter: Hong Li (Pharmaceutics/Graduate Student)
Authors: H Li, S Song
- # 23 Economic Evaluation of a School Based BCG Revaccination Program in Nigeria**
Presenter: Ahunna Onyenwenyi (Pharmacy Health Care Admin/Graduate Student)
Authors: A Onyenwenyi, A Winterstein
- # 24 Preparation of Sustained Release Microparticles for the Delivery of an Anti-inflammatory Drug**
Presenter: Elanor Pinto (Pharmaceutics/Graduate Student)
Authors: E Pinto, G Hochhaus
- # 25 Development of a Rapid Method for the Determination of Rosiglitazone in Human Plasma by Liquid Chromatography Tandem Mass Spectrometry in a 96-well Format: Application to Pharmacokinetic Studies**
Presenter: Elvin T Price (Pharmacy Practice/Graduate Student)
Authors: E Price, C Galloway, R Frye

POSTER COMPETITION (cont.)

26 **Experimental Pitfalls in Protein Binding Measurements**

Presenter: Stephan Schmidt (Pharmaceutics/Graduate Student)
Authors: S Schmidt, O Burkhardt, M Sahre, H Derendorf

27 **Characterization of the Transport of Inhaled Corticosteroids Across the Blood Brain Barrier Using a Modified Caco-2 Cell Line**

Presenter: Zia Tayab (Pharmaceutics/Graduate Student)
Authors: Z Tayab, G Hochhaus

28 **Optimization of Polyplex Gene Transfer by Long Term Human and Rat Brain Tumor Slice Culture**

Presenter: Nathalie Y Toussaint (Pharmaceutics/Graduate Student)
Authors: N Toussaint, S Kearns, J Qui, A Yachnis, R Mandel, B Scheffler, D Steindler, S Sullivan

29 **Development of Non-viral Gene Therapy Targeting Insulin-like Growth Factor (IGF) System for Treatment of Brain Tumors**

Presenter: Leah R Villegas (Pharmaceutics/Graduate Student)
Authors: L Villegas, S Sullivan

30 **In-vitro Study of siRNA Delivery Systems**

Presenter: Preeti Yadava (Pharmaceutics/Graduate Student)
Authors: P Yadava, J Hughes

31 **Online Database for Grapefruit Juice Drug Interactions: What Have We Learned?**

Presenter: Immo Zdrojewski (Pharmaceutics/Graduate Student)
Authors: I Zdrojewski, W de Castro, J Meyer, V Butterweck, H Derendorf

ORAL COMPETITION JUDGES

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