A SPECIAL THANKS TO THIS YEAR’S SPONSORS OF OUR 17TH ANNUAL RESEARCH SHOWCASE

DR. ROBERT G. AND MARIA BELL
Palm Harbor, FL

A major sponsor of this year’s research showcase
Formerly Vice President for New Drug Development
Barr Laboratories
(Ph.D., Class of 1988)

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Sponsor of the poster competition
Special thanks to Dr. Francisco Alvarez
Director, Analytical Research
(Ph.D., Class of 1981)

DR. ROBERT AND PHYLLIS LEVITT
Gainesville, FL

A very special thanks to Bob and Phyllis, sponsors of the “Levitt Award” since 1993.
(B.S. Pharmacy, Class of 1961; Ph.D. Psychology, Class of 1965)
SCHEDULE OF EVENTS

8:00am - 9:30am  Students Set-up Poster Presentations
(Founders Gallery – ARB)

POSTER COMPETITION

9:30am - 11:30am  Poster Competition with Students Present for Judging
(Reception Area – HPNP Building)

11:45am - 1:15pm Luncheon for Poster and Oral Judges in the Dean’s
Conference Room (Room 4307 – HPNP Building)

ORAL COMPETITION

1:30pm - 1:40pm  Introduction by Dr. William Millard, Executive
Associate Dean (Room G-301)

      Levitt Division (20 minute presentations)

1:40pm – 2:00pm  Sooyeon Kwon
2:00pm – 2:20pm  Michael Taylor

      Junior Division (15 minute presentations)

2:25pm - 2:40pm  Aaron Hirko
2:40pm - 2:55pm  Ke Ren
2:55pm - 3:10pm  Aleksandar Todorovic
3:15pm - 3:30pm  BREAK (15 minutes)

      Senior Division (20 minute presentations)

3:30pm - 3:50pm  Yan Gong
3:50pm - 4:10pm  Boman Irani
4:10pm - 4:30pm  Srikumar Sahasranaman

5:00pm - 7:00pm  Awards Reception and Announcement of Division
Winners (Reception Area – HPNP Building)

ORAL COMPETITION

JUNIOR AWARD

#1  Presenter:  Aaron Hirko
    Dept/Center:  Pharmaceutics
    Research Title:  Novel Gene Therapy for Alzheimer’s Disease.

#2  Presenter:  Ke Ren
    Dept/Center:  Pharmaceutics
    Research Title:  Genetic and Pharmacological Modulation of α7 Nicotinic Receptor Function.

#3  Presenter:  Aleksandar Todorovic
    Dept/Center:  Medicinal Chemistry
    Research Title:  Peptide Bond Modifications of Melanocortin Agonists Result in Conversion of the Agonist into an Antagonist.

LEVITT DIVISION

#1  Presenter:  Sooyeon Kwon
    Dept/Center:  Pharmacy Health Care Administration
    Research Title:  Disability and Patient Reported Outcomes in Patients with Stroke.

#2  Presenter:  Michael Taylor
    Dept/Center:  Pharmacy Health Care Administration
    Research Title:  Surgery Versus Radiation: Is There a Difference in Prostate Cancer-specific Mortality?

SENIOR DIVISION

#1  Presenter:  Yan Gong
    Dept/Center:  Pharmaceutics
    Research Title:  Disposition and Effects of Human Amyloid Precursor Protein Swedish Mutant in Rat Brain After rAAV2 Mediated Somatic Gene Transfer.

#2  Presenter:  Boman Irani
    Dept/Center:  Medicinal Chemistry
    Research Title:  Benefits of Voluntary Exercise in Controlling Obesity and Sexual Dysfunction in Melanocortin-4 Receptor Deficient Mice.

#3  Presenter:  Srikumar Sahasranaman
    Dept/Center:  Pharmaceutics
    Research Title:  Pharmacokinetic and Pharmacodynamic Evaluation of Mometasone Furoate.
# 1 Effect of CYP2D6 and Metoprolol Pharmacokinetics on Adverse Effects.
Authors: A. Beitelshees, A. Gaedigk, J. Leeder, K. Eberst, B. Timmerbeil, M. Lobmeyer, D. Pauly, J. Johnson
Department: Pharmacy Practice
Presenter: Amber Beitelshees (Postdoctoral Fellow)

# 2 Targeting DNA-PK by siRNA to Study AAV Replication.
Authors: Y-K. Choi, S. Song
Department: Pharmaceutics
Presenter: Young-Kook Choi (Postdoctoral Fellow)

# 3 Cytochrome P450 3A4, 3A5, and P-glycoprotein as Pharmacogenomic Predictors of Tacrolimus Pharmacokinetics and Clinical Outcomes in Liver Transplant Recipients.
Authors: C. Formea, T. Luu, A. Albekairy, H. Yarandi, T. Langae, V. Greene, S. Fujita, A. Hemming, R. Howard, A. Reed, J. Karlix
Department: Pharmacy Practice
Presenter: Christine Formea (Postdoctoral Fellow)

# 4 High Temporal Resolution Analysis of Neurotransmitters Utilizing On-line Capillary Electrophoresis with Laser-induced Fluorescence Detection.
Authors: N. Hebert, J. Peris
Department: Pharmacodynamics
Presenter: Nicole Hebert (Postdoctoral Fellow)

# 5 Functional Human Alpha 1 Antitrypsin Secreted from Muscle Transduced by Adeno-associated Virus (rAAV1) Vector.
Authors: Y. Lu, M. Compbell-Thompson, C. Li, T. Flotte, S. Song
Department: Pharmaceutics
Presenter: Yuanqing Lu (Postdoctoral Fellow)

# 6 Gene Delivery using Modified Poly-ethylenimines.
Authors: G. Rao, R. Tsai, J. Hughes
Department: Pharmaceutics
Presenter: Gururaj Rao (Postdoctoral Fellow)

# 7 Ontogeny of Glucocorticoid and Mineralcorticoid Receptors in Fetal and Neonatal Lung and Kidney.
Authors: M. von Reitzenstein, C. Wood, M. Keller-Wood
Department: Pharmacodynamics
Presenter: Marcela von Reitzenstein (Postdoctoral Fellow)

# 8 NMR Structure of the Agouti-related Protein (AGRP) – Derived Antagonist at the Melanocortin Receptors 3 and 4.
Authors: A. Wilczynski, X. Wang, R. Bauzo, Z. Xiang, R. Thirumoorthy, A. Edison, N. Richards, C. Haskell-Luevano
Department: Medicinal Chemistry
Presenter: Andrzej Wilczynski (Postdoctoral Fellow)

# 9 The Angiotensin AT2 Receptor Attenuates theVascular Response to Angiotensin II During Pregnancy.
Authors: C. Beck, M. Katovich
Department: Pharmacodynamics
Presenter: Caren Beck (Graduate Student)

# 10 Targeted Drug-delivery to HIV-reservoir Cells with Immunoliposomes.
Authors: W. Driessen, R. Gieseler, G. Marquitan, M. Hahn, L. Perdon, M. Scolaro, S. Sullivan
Department: Pharmaceutics
Presenter: Wouter Driessen (Graduate Student)

# 11 Cost-effectiveness of Nesiritide Versus Dobutamine in Patients with Acutely Decompensated Heart Failure.
Authors: T. Gerhard, I. Zineh, A. Hartzema, A. Winterstein
Department: Pharmacy Health Care Administration
Presenter: Tobias Gerhard (Graduate Student)

# 12 Design and Synthesis of Non-peptide Urea, Characterized at the Mouse Melanocortin Receptors.
Authors: C. Joseph, R. Bauzo, Z. Xiang, C. Haskell-Luevano
Department: Medicinal Chemistry
Presenter: Christine Joseph (Graduate Student)
Authors:  P. Kanjanarat
Department: Pharmacy Health Care Administration
Presenter: Penkarn Kanjanarat (Graduate Student)

# 14 Cost-benefit of Hydroxyurea for the Treatment of Sickle Cell Disease.
Authors:  D. Mayhew
Department: Pharmacy Health Care Administration
Presenter: Dionne Mayhew (Graduate Student)

# 15 An Economic Model to Assess the Cost Effectiveness of Treating Asthmatics with Gastroesophageal Disease.
Authors:  H. Nyanteh, C. Schiller, S. Sednecor, A. Hartzema
Department: Pharmacy Health Care Administration
Presenter: Harry Nyanteh (Graduate Student)

# 16 The Effect of Cholesterol Lowering Therapy on Coronary Heart Disease in a Diabetic Medicaid Population.
Authors:  K. Schiller, H. Nyanteh
Department: Pharmacy Health Care Administration
Presenter: K. Cameron Schiller (Graduate Student)

# 17 Pharmacokinetics and Pharmacodynamics of Ciprofloxacin in Modeled Mirogravity.
Authors:  E. Schuck, M. Grant, L. Putcha, H. Derendorf
Department: Pharmaceutics
Presenter: Edgar Schuck (Graduate Student)

# 18 Alterations in Ghrelin-induced Food Intake and Growth Hormone Secretion in Melanocortin 3 and 4 Receptor Knockout Mice.
Authors:  A. Shaw, B. Irani C. Haskell-Luevano, W. Millard
Department: Pharmacodynamics
Presenter: Amanda Shaw (Graduate Student)

# 19 rAAV1 Mediated hAAT Gene Therapy Modulate Cellular Immune Response and Prevents Type 1 Diabetes in NOD Mice.
Authors:  M. Tang, S. Song.
Department: Pharmaceutics
Presenter: Mei Tang (Graduate Student)

#20 Development of Brain Tumor Organotypic Culture Model for Characterizing Polymer Plasmid DNA Mediated Gene Transfer.
Authors:  N. Toussaint, S. Kearns, B. Scheffler, R. Mandel, D. Steindler, A. Yachnis, S. Sullivan
Department: Pharmaceutics
Presenter: Nathalie Toussaint (Graduate Student)

#21 Control of Cytotoxic Gene Expression by Rat Glioma Cells Transformed with Mifepristone Inducible Gene Switch.
Authors:  L. Villegas, S. Sullivan
Department: Pharmaceutics
Presenter: Leah Villegas (Graduate Student)

#22 Blood Pressure Medication Compliance and Depressive Symptoms Among Patients with Coronary Artery Disease.
Authors:  S. Watcharathanakij, S. Pinto, L. Ried
Department: Pharmacy Health Care Administration
Presenter: Sawaeng Watcharathanakij (Graduate Student)

#23 The Economic Burden of Hyperphosphatemia-related End Stage Renal Disease in Florida Medicaid Patients.
Authors:  A. White
Department: Pharmacy Health Care Administration
Presenter: Annesha White (Graduate Student)
**JUDGES**

**ORAL COMPETITION**

**Dr. William Cassano**  
Director of Operations, Cheladerm, Inc.  
Department of Medicinal Chemistry  
College of Pharmacy  
University of Florida

**Dr. Ronald Evans**  
President, MAPS 4 Biotec, Inc.  
Clinical Professor, Department of Pharmaceutics  
College of Pharmacy  
University of Florida

**Dr. Bin Liu**  
Associate Professor  
Department of Pharmacodynamics  
College of Pharmacy  
University of Florida

**Dr. Tom Munyer**  
Director of Pharmacy Services, Tacachale  
Department of Pharmacy Practice  
College of Pharmacy  
University of Florida

**Dr. Issam Zineh**  
Assistant Professor  
Department of Pharmacy Practice  
College of Pharmacy  
University of Florida

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**POSTER COMPETITION**

**Dr. Veronika Butterweck**  
Assistant Professor  
Department of Pharmaceutics  
College of Pharmacy  
University of Florida

**Dr. Dorette Ellis**  
Assistant Professor  
Department of Pharmacodynamics  
College of Pharmacy  
University of Florida

**Dr. Jason Frazier**  
Associate Professor  
Department of Pharmacodynamics  
College of Pharmacy  
University of Florida

**Dr. Reginald Frye**  
Associate Professor  
Department of Pharmacy Practice  
College of Pharmacy  
University of Florida