

## Scientific Poster Presentations, I

**Monday, October 22**

**Great Halls 4–6**

**11:30 a.m.–1:15 p.m.**

### ENCORE PRESENTATIONS

Abstracts marked with an "E" are Encore Presentations. Encore Presentations undergo the same peer-review process as all other presentations, but they may have been presented elsewhere or published in abstract form before the 2012 Annual Meeting. For presentations, the abstract title, authors, and original citation (if provided) are published.

### AWARDS COMPETITION

Award winners for the Best Student Poster and Best Resident and Fellow Poster will be announced at 1:00 p.m. on Monday, October 22, in Great Halls 4–6. The award winner for the Best Paper will be announced at 9:45 a.m. on Tuesday, October 23, in Great Halls 4–6.

### ORIGINAL RESEARCH

These papers describe original research in therapeutics, pharmacokinetics, pharmacodynamics, pharmacoconomics, and pharmacoepidemiology.

#### Adult Medicine

16. Comparison of Vitamin D Dosing Regimens in Non-obese and Obese Patients with Low Vitamin D Levels.

*Bryan L. Schuessler, Pharm.D., M.S.,<sup>1</sup> Janelle F. Ruisinger, Pharm.D.,<sup>2</sup> Dennis W. Grauer, Ph.D.,<sup>3</sup> Patrick M. Moriarty, M.D.,<sup>2</sup> James M. Backes, Pharm.D.<sup>2</sup>*; (1)The University of Kansas Hospital, Kansas City, KS; (2)University of Kansas Lipid, Atherosclerosis, Metabolic and LDL-Apheresis Center, Kansas City, KS; (3)University of Kansas Medical Center, Kansas City, KS

#### Drug Information

48. Assessment of Drug Information Resource Preferences by Pharmacy Students and Faculty.

*Sabrina W. Cole, Pharm.D., BCPS, Conor T. Hanrahan, Pharm.D.;* Wingate University School of Pharmacy, Wingate, NC

#### HIV/AIDS

104E. Pharmacokinetics, Safety, and Antiviral Activity of Fosamprenavir-Containing Twice-Daily Regimens in HIV-Infected Children 2 to 18 Years Old: Report from APV29005, a 48-Week Prospective, Open-Label, Multicenter Cohort Study.

*Evgeny E. Voronin, M.D., Ph.D.,<sup>1</sup> Claudia Fortuny, M.D., Ph.D.,<sup>2</sup> Desamparados Pérez-Tamarit, M.D.,<sup>3</sup> Dan Duiculescu, M.D., Ph.D.,<sup>4</sup> Mark F. Cotton, M.D., Ph.D.,<sup>5</sup> Lisa L. Ross, M.S.,<sup>6</sup> Susan L. Ford, Pharm.D.,<sup>6</sup> Yu Lou, M.S.,<sup>6</sup> Naomi Givens, M.S.,<sup>7</sup> Katharine Cheng, M.D.,<sup>7</sup> Jörg Sievers, Ph.D.,<sup>7</sup> Gary E. Pakes, Pharm.D.<sup>6</sup>*; (1)Republic Hospital of Infectious Disease, St. Petersburg, Russia; (2)Sant Joan de Déu Hospital, Barcelona,

Spain; (3)Hospital Infantil La Fe, Valencia, Spain; (4) "Dr. Victor Babes" Hospital for Infectious and Tropical Diseases, Bucharest, Romania; (5)Tygerberg Children's Hospital, Tygerberg, South Africa; (6)GlaxoSmithKline, Research Triangle Park, NC; (7)GlaxoSmithKline, Uxbridge, United Kingdom

105E. Steady-state Pharmacokinetics and 48-Week Safety and Antiviral Activity of Fosamprenavir/Ritonavir Twice-Daily Regimens in HIV-Infected Children 4 Weeks to <2 Years Old: Results of APV20002, a Prospective, Open-Label, Multicenter Cohort Study.

Mark F. Cotton, M.D., Ph.D.,<sup>1</sup> Haseena Cassim, MBBCh,<sup>2</sup> Noris Pavía-Ruz, M.D.,<sup>3</sup> Lisa L. Ross, M.S.,<sup>4</sup> Susan L. Ford, Pharm.D.,<sup>4</sup> Yu Lou, M.S.,<sup>4</sup> Naomi Givens, M.S.,<sup>5</sup> Katharine Cheng, M.D.,<sup>5</sup> Jörg Sievers, Ph.D.,<sup>5</sup> Gary E. Pakes, Pharm.D.,<sup>4</sup>; (1)Tygerberg Children's Hospital, Tygerberg, South Africa; (2)Perinatal HIV Research Unit, Johannesburg, South Africa; (3)Universidad Nacional Autonoma de Mexico, Facultad de Medicina, Mexico, DF, Mexico; (4)GlaxoSmithKline, Research Triangle Park, NC; (5)GlaxoSmithKline, Uxbridge, United Kingdom

106E. Prevalence of HIV-Associated Neurocognitive Disorders (HAND) in Virologically Suppressed HIV-Infected Individuals in the ASSURE (EPZ113734) Study versus Non-HIV-Infected Control Subjects.

David A. Wohl, M.D.,<sup>1</sup> Laveeza Bhatti, M.D., Ph.D.,<sup>2</sup> Paul Maruff, Ph.D.,<sup>3</sup> Kevin R. Robertson, Ph.D.,<sup>4</sup> Catherine B. Small, M.D.,<sup>5</sup> Howard E. Edelstein, M.D.,<sup>6</sup> Henry Zhao, Ph.D.,<sup>7</sup> David A. Margolis, M.D.,<sup>7</sup> Lisa L. Ross, M.S.,<sup>7</sup> Mark S. Shaefer, Pharm.D.,<sup>8</sup> Gary E. Pakes, Pharm.D.,<sup>7</sup>; (1)University of NC at Chapel Hill School of Medicine, Division of Infectious Disease, Chapel Hill, NC; (2)AIDS Healthcare Foundation, Beverly Hills, CA; (3)CogState Ltd., Melbourne, Australia; (4)University of NC at Chapel Hill, AIDS Dementia Center, Chapel Hill, NC; (5)New York Medical College, Valhalla, NY; (6)Alameda County Medical Center, Oakland, CA; (7)GlaxoSmithKline, Research Triangle Park, NC; (8)ViiV Healthcare, Research Triangle Park, NC

107E. HIV-1 Drug Resistance and Mutational Profile in Fosamprenavir-Treated HIV-Infected Children Aged 2 Months to 18 Years at Start of Therapy.

Lisa L. Ross, M.S.,<sup>1</sup> Mark F. Cotton, M.D., Ph.D.,<sup>2</sup> Haseena Cassim, MBBCh,<sup>3</sup> Evgeny E. Voronin, M.D., Ph.D.,<sup>4</sup> Naomi Givens, M.S.,<sup>5</sup> Jörg Sievers, Ph.D.,<sup>5</sup> Katharine Cheng, M.D.,<sup>5</sup> Gary E. Pakes, Pharm.D.,<sup>1</sup>; (1)GlaxoSmithKline, Research Triangle Park, NC; (2)Tygerberg Children's Hospital, Tygerberg, South Africa; (3)Perinatal HIV Research Unit, Johannesburg, South Africa; (4)Republic Hospital of Infectious Disease, St. Petersburg, Russia; (5)GlaxoSmithKline, Uxbridge, United Kingdom

108E. Antiretroviral (ART) Therapeutic Drug Monitoring (TDM) and Virologic Suppression (VS) in Pediatric Patients with Human Immunodeficiency Virus.

Jomy M. George, Pharm.D., BCPS,<sup>1</sup> Tara DeCerbo, Pharm.D.,<sup>2</sup> Laura L. Bio, Pharm.D., BCPS,<sup>1</sup> Lori Connelly, RN,<sup>3</sup> Laura Pontiggia, Ph.D.,<sup>4</sup>; (1)Philadelphia College of Pharmacy, University of the Sciences, Philadelphia, PA; (2)Thomas Jefferson University Hospital, Philadelphia, PA; (3)Cooper University Hospital, Camden, NJ; (4)Misher College of Arts and Sciences, University of the Sciences, Philadelphia, PA

## Medication Safety

140. Impact of a Pharmacist-Conducted Admission Medication Reconciliation Program on Medication Errors.

Mitchell S. Buckley, Pharm.D., FCCM, BCPS,<sup>1</sup> Craig A. Wesley, Pharm.D.,<sup>1</sup> Butch David, Pharm.D.,<sup>1</sup> Pamela L. Smithburger, Pharm.D., BCPS,<sup>2</sup> Sandra Kane-Gill, Pharm.D., M.S., FCCM,<sup>2</sup> Sandeep Devabhakthuni, Pharm.D.,<sup>3</sup> Earnest Alexander Jr, Pharm.D.,<sup>4</sup> Lisa M. Harinstein, Pharm.D.,<sup>5</sup>; (1)Banner Good Samaritan Medical Center, Phoenix, AZ; (2)University of Pittsburgh School of Pharmacy, Pittsburgh, PA; (3)University of Maryland School of Pharmacy, Baltimore, MD; (4)Tampa General Hospital, Tampa, FL; (5)Cleveland Clinic, Cleveland, OH

141. Assessment of Inpatient Boxed Warning Compliance.

*Megan A. Kloet, Pharm.D.,<sup>1</sup> Pamela L. Smithburger, Pharm.D., BCPS,<sup>2</sup> Amy L. Seybert, Pharm.D., FASHP, FCCP,<sup>2</sup> Sandra L. Kane-Gill, Pharm.D., M.S., FCCM, FCCP<sup>2</sup>; (1)University of Pittsburgh Medical Center, Pittsburgh, PA; (2)University of Pittsburgh School of Pharmacy, Pittsburgh, PA*

142. High-Risk Medications on Pharmacy Discount Program Formularies; a Brief Report.

*Abir O. Kanaan, Pharm.D.,<sup>1</sup> Jennifer L. Donovan, Pharm.D.,<sup>1</sup> Darren M. Triller, Pharm.D.,<sup>2</sup> Shawn Gagne, B.S.,<sup>3</sup> Jennifer Tjia, M.D., MSCE<sup>3</sup>; (1)Massachusetts College of Pharmacy and Health Sciences, Worcester, MA; (2)IPRO, Albany, NY; (3)Meyers Primary Care Institute, University of Massachusetts Medical School, Worcester, MA*

## **Nephrology**

144E. Effects of the ESRD Medicare Bundling Rule on Anemia Management in Private Dialysis Units.

*Natsuki Kubotera, B.S., Amy Barton Pai, Pharm.D., B.S., BCPS, Katie Cardone, Pharm.D.; Albany College of Pharmacy and Health Sciences, Albany, NY*

145. Incidence and Predictors of Hepatitis B Vaccine Non-response Among Hemodialysis Patients.

*Magdalene M. Assimon, Pharm.D., M.S.,<sup>1</sup> Emily Bruni, Pharm.D. Student,<sup>1</sup> Louise-Ann McNutt, Ph.D.,<sup>2</sup> Darius L. Mason, Pharm.D., BCPS,<sup>1</sup> Nimish Patel, Pharm.D., M.S., AAHIVP<sup>1</sup>; (1)Albany College of Pharmacy & Health Sciences, Albany, NY; (2)University at Albany, School of Public Health, Rensselaer, NY*

146. Comparison of the Chronic Kidney Disease Epidemiology Collaboration, Modification of Diet in Renal Disease, and Cockcroft-Gault Equations for Drug Dosing in the Elderly Population.

*M. Shawn McFarland, Pharm.D.,<sup>1</sup> Christina F. Burger, Pharm.D.,<sup>1</sup> Alex K. Stephens, Pharm.D.,<sup>1</sup> Joanna Q. Hudson, Pharm.D.,<sup>2</sup> Jennifer R. Bean, Pharm.D.<sup>1</sup>; (1)VA Tennessee Valley Healthcare System, Murfreesboro, TN; (2)University of Tennessee, Memphis, TN*

## **Other**

159. Reduction in Toll-like Receptor-4 (tlr-4) on Blood Mononuclear Cells After 3 Weeks of Rosuvastatin Treatment in Healthy Male Subjects.

*Timothy R. McGuire, Pharm.D., FCCP, BCOP,<sup>1</sup> Paul P. Dobesh, Pharm.D., FCCP, BCPS,<sup>1</sup> Donald G. Klepser, Ph.D.,<sup>1</sup> Andre C. Kalil, M.D.,<sup>2</sup> Keith Olsen, Pharm.D., FCCP<sup>1</sup>; (1)University of Nebraska Medical Center, Omaha, NE; (2)Internal Medicine, University of Nebraska Medical Center, Omaha, NE*

160. Evaluation of Jamaican Knowledge of Diabetes and Health Beliefs.

*Melody L. Hartzler, Pharm.D., AE-C,<sup>1</sup> Aleda M.H. Chen, Pharm.D., Ph.D.,<sup>1</sup> Bethany L. Murphy, Pharm.D.,<sup>2</sup> Sarah J. Rodewald, BSN<sup>3</sup>; (1)Cedarville University School of Pharmacy, Cedarville, OH; (2)Union University School of Pharmacy, Jackson, TN; (3)Miami Valley Hospital, Dayton, OH*

161. ACCP Ambulatory Care Practice and Research Network (PRN): Recent PRN Activities and Assessment of Membership Diversity over the Last Decade.

*Lea E. dela Pena, Pharm.D., BCPS,<sup>1</sup> Kassandra Bartelme, Pharm.D., BCACP,<sup>2</sup> Catherine A. Bourg, Pharm.D., BCPS, BCACP,<sup>3</sup> Jennifer D'Souza, Pharm.D., CDE, BC-ADM,<sup>1</sup> Katherine R. Gerrald, Pharm.D., BCPS, BCACP,<sup>4</sup> Brian K. Irons, Pharm.D., FCCP, BCACP, BCPS, BC-ADM,<sup>5</sup> Emily K. McCoy, Pharm.D., BCACP,<sup>6</sup> Daniel M. Riche, Pharm.D., BCPS, CDE,<sup>7</sup> Nicole Rockey, Pharm.D., BCACP<sup>1</sup>; (1)Midwestern University Chicago College of Pharmacy, Downers Grove, IL; (2)Concordia University Wisconsin School of Pharmacy, Mequon, WI; (3)University of Georgia, Athens, GA; (4)Presbyterian College School of Pharmacy, Clinton, SC; (5)TTUHSC School of Pharmacy, Lubbock, TX; (6)Auburn University, Harrison School of Pharmacy, Birmingham, AL; (7)University of Mississippi School of Pharmacy, Jackson, MS*

162. Integrating Clinical Pharmacists and Industrial Engineers' Perspectives to Develop a Codebook to Characterize Structure at Anticoagulation Clinics.

*Abir O. Kanaan, Pharm.D.,<sup>1</sup> Jennifer L. Donovan, Pharm.D.,<sup>1</sup> Mustafa Ozkaynak, Ph.D.,<sup>2</sup> Sharon Johnson, Ph.D.,<sup>2</sup> Bengisu Tulu, Ph.D.,<sup>2</sup> Adam Rose, M.D.<sup>3</sup>*; (1)Massachusetts College of Pharmacy and Health Sciences, Worcester, MA; (2)WPI, Worcester, MA; (3)Bedford VA Medical Center, Bedford, MA

163. Patient Satisfaction with an Inpatient Pharmacist-Directed Anticoagulation Service.

*Charles T. Makowski, Pharm.D.,<sup>1</sup> Carrie W. Nemerovski, Pharm.D., BCPS (AQ-CV),<sup>2</sup> Douglas L. Jennings, Pharm.D., BCPS (AQ-CV),<sup>2</sup> James S. Kalus, Pharm.D., BCPS (AQ-CV)<sup>2</sup>*; (1)Wayne State University Eugene Applebaum College of Pharmacy, Detroit, MI; (2)Henry Ford Hospital, Detroit, MI

### **Pain Management/Analgesia**

164. Opioid Utilization Patterns Among Cancer Patients: An Analysis Using the Chronic Opioid Medication Use Evaluation (MUE) Tool.

*Anisha M. Patel, M.S., Jacqueline A. Pesa, Ph.D., MPH, Andrew Howe, Pharm.D., Samir H. Mody, Pharm.D., MBA; Janssen Scientific Affairs, LLC, Raritan, NJ*

165. Assessment of Impact of a Pharmacist-Run Pain Clinic on Patient Outcomes in Hypertension, Diabetes, and Hyperlipidemia.

*Melissa R. Mahoney, Pharm.D., B.S., Jennifer Patton, Pharm.D.; Memphis VA Medical Center, Memphis, TN*

### **Transplant/Immunology**

227. Multiple Regression Analysis of Factors Predicting Mycophenolic Acid Free Fraction in 91 Adult Organ Transplant Recipients.

*Tony K.L. Kiang, BSPHarm, Ph.D., ACPR,<sup>1</sup> Karen O.Y. Ng, BSPHarm, ACPR,<sup>1</sup> Mary H.H. Ensom, Pharm.D., FASHP, FCCP, FCSHP, FCAHS<sup>2</sup>*; (1)Faculty of Pharmaceutical Sciences, The University of British Columbia, Vancouver, BC, Canada; (2)The University of British Columbia, Children's & Women's Health Centre of British Columbia, Vancouver, BC, Canada

## **CLINICAL PHARMACY FORUM**

These abstracts describe the delivery, development, justification, or documentation of an innovative clinical pharmacy service; they may be descriptive only and need not contain an evaluative component.

### **Clinical Administration**

270. Justifying the Integration of a Clinical Pharmacist into a Primary Care Team.

*Margaret L. Wallace, Pharm.D.,<sup>1</sup> Todd D. Sorensen, Pharm.D.,<sup>2</sup> Haley Holtan, Pharm.D.<sup>3</sup>*; (1)University of Minnesota, Minneapolis, MN; (2)University of Minnesota College of Pharmacy, Minneapolis, MN; (3)Hennepin County Medical Center, Minneapolis, MN

### **Emergency Medicine**

278. Pharmacists as Members of the Rapid Response Team.

*Christine M. Groth, Pharm.D., Nicole M. Acquisto, Pharm.D.; University of Rochester Medical Center, Rochester, NY*

279E. Evaluation of a Pharmacist Culture Review Process in an Emergency Department.

*Michaela M. Doss, Pharm.D., BCPS, Julie B. Giddens, Pharm.D., BCPS, Cara L. Phillips, Pharm.D., BCPS; OSF Saint Francis Medical Center, Peoria, IL*

280. Role of Pharmacists in the Emergency Department: Medication Reconciliation on Admission.  
*Hani Abdelaziz, Pharm.D.,<sup>1</sup> Mitesh Patel, Pharm.D.,<sup>2</sup> Scott Price, Pharm.D.,<sup>3</sup> Jennifer Thomas, Pharm.D.,<sup>2</sup> Lea Eslava, Pharm.D.,<sup>2</sup> Kim Walsh, R.Ph., MBA,<sup>3</sup> Mona Philips, R.Ph., MAS,<sup>2</sup> Sandra Richardson, Pharm.D., CCP<sup>4</sup>;* (1)Barnabas Health, Brick, NJ; (2)Barnabas Health, Belleville, NJ; (3)Barnabas Health, Toms River, NJ; (4)Barnabas Health, Lakewood, NJ

## **HIV/AIDS**

289E. SPIRIT Study: Switching to the Single-Tablet Regimen (STR) of Emtricitabine/Rilpivirine/Tenofovir DF from a Ritonavir-Boosted Protease Inhibitor and Two Nucleoside Reverse Transcriptase Inhibitors Maintains HIV Suppression and Improves Serum Lipids.  
*Frank Palella, M.D.,<sup>1</sup> Pablo Tebas, M.D.,<sup>2</sup> Peter Ruane, M.D.,<sup>3</sup> David Shamblaw, M.D.,<sup>4</sup> Jason Flamm, M.D.,<sup>5</sup> Ramin Ebrahimi, M.S.,<sup>6</sup> Kirsten White, Ph.D.,<sup>6</sup> Hiba Graham, Pharm.D.,<sup>6</sup> Mark Bernstein, R.Ph., MBA,<sup>6</sup> Jason T. Hindman, Pharm.D., MBA<sup>6</sup>;* (1)Northwestern University, Chicago, IL; (2)University of Pennsylvania, Philadelphia, PA; (3)Peter J. Ruane, M.D., Inc., Los Angeles, CA; (4)La Playa Medical Group and Clinical Research, San Diego, CA; (5)Kaiser Permanente, Sacramento, CA; (6)Gilead Sciences, Foster City, CA

290. Implementation of Clinical Pharmacist-Conducted Rapid Point-of-Care HIV Testing.  
*Elizabeth Sherman, Pharm.D., AAHIVE,<sup>1</sup> Shara Elrod, Pharm.D., BCACP,<sup>1</sup> Paula Eckardt, M.D.<sup>2</sup>;* (1)Nova Southeastern University College of Pharmacy, Ft Lauderdale, FL; (2)Memorial Healthcare Systems – South Broward Community Health Services, Miramar, FL

## **Other**

307. Pharmacist-Directed Hypertension and Diabetes Mellitus Medication Management in Sleeve Gastrectomy Patients.

*Christopher M. Bland, Pharm.D., BCPS, Adam M. Tritsch, M.D., David A. Bookstaver, Pharm.D., Lori B. Sweeney, M.D., Yong U. Choi, M.D.;* Eisenhower Army Medical Center, Fort Gordon, GA

308. A Pilot Study Assessing the Impact of the Presence of a Clinical Pharmacist and a Pharmacy Resident at the Infectious Diseases Department of a Lebanese University Hospital.

*Lydia Rabbaa Khabbaz, Pharm.D., Ph.D.,<sup>1</sup> Latife Karam, Pharm.D.,<sup>2</sup> Carla Farhat, Pharm.D.,<sup>1</sup> Renee Azzi, Pharm.D.,<sup>1</sup> Dolla Karam Sarkis, Ph.D.<sup>1</sup>;* (1)Faculty of Pharmacy, St. Joseph University, Beirut; (2)Faculty of Pharmacy, St. Joseph University and Hotel Dieu de France hospital, Beirut, Lebanon

309. Lost in Transition: The Benefit of Interdisciplinary Home-Based Care Following Hospitalization.

*Eliza Z. Borzadek, Pharm.D., RN,<sup>1</sup> John T. Holmes, Pharm.D.,<sup>2</sup> Diana B. Krawtz, MSN, ARNP<sup>3</sup>;* (1)Idaho State University, Departments of Family Medicine & Pharmacy Practice, Pocatello, ID; (2)Idaho State University, Department of Family Medicine & Pharmacy Practice, Pocatello, ID; (3)Idaho State University, Department of Family Medicine, Pocatello, ID

## **Pain Management/Analgesia**

310. Pharmacist Participation on an Interdisciplinary Team to Improve Pain Scores and Patient Satisfaction at a Community Hospital.

*Melissa W. Guarino, Pharm.D.,<sup>1</sup> Rich Geisler, Pharm.D.<sup>2</sup>;* (1)D'Youville College School of Pharmacy, Buffalo, NY; (2)Mercy Hospital of Buffalo, Buffalo, NY

## RESIDENTS AND FELLOWS RESEARCH-IN-PROGRESS

These papers describe original research by residents and fellows in therapeutics, pharmacokinetics, pharmacodynamics, pharmacoepidemiology, and pharmacogenomics in which the research effort is ongoing.

### Adult Medicine

323. Effect of Treatment Variation on Outcomes in Patients with *Clostridium difficile*–Associated Diarrhea. Adam T. Brown, Pharm.D., Charles F. Seifert, Pharm.D., FCCP, BCPS; Texas Tech University Health Sciences Center School of Pharmacy, Lubbock, TX

### Ambulatory Care

324. Diabetes Medication Management Program: Impact of Pharmacists on Management of Oral Hypoglycemic Medications.

Taniyah Dawson, Pharm.D.,<sup>1</sup> Paul Godley, Pharm.D.,<sup>2</sup> Tricia A. Tabor, Pharm.D.,<sup>1</sup> Kangho Suh, Pharm.D.,<sup>1</sup> Cunningham Megan, Pharm.D.<sup>1</sup>; (1)Scott and White Health Plan, Temple, TX; (2)Scott & White Health Plan, Temple, TX

325. Effect of a Clinical Pharmacist–Managed Service on Blood Pressure in an Underserved Population with Resistant Hypertension.

Andrea C. Basso, Pharm.D.,<sup>1</sup> Zachary A. Stacy, Pharm.D., BCPS,<sup>2</sup> Amie D. Brooks, Pharm.D., BCPS<sup>2</sup>; (1)St. Louis College of Pharmacy/St. Louis County Department of Health, St. Louis, MO; (2)St. Louis College of Pharmacy, St. Louis, MO

### Cardiovascular

326. Evaluation of P2Y<sub>12</sub> Adenosine Diphosphate Receptor Antagonists in Patients with Acute Coronary Syndromes Undergoing Percutaneous Coronary Intervention.

Meggie Yuen, Pharm.D., Teena Abraham, Pharm.D., M.S., BCPS, Sorin Brener, M.D., Erin Oh, Pharm.D., B.A., BCPS, Helen Eldabie, Pharm.D., Eric Balmir, Pharm.D., M.S., CIM, Kathryn Cooperstein, RN; New York Methodist Hospital, Brooklyn, NY

327. Esmolol IV vs. Metoprolol IV for Post-operative Rate and Rhythm Control.

Olesya Manzhikova, Pharm.D., Kimberly Tallian, Pharm.D., BCPP, FASHP, FCCP, FCSHP; Scripps Memorial Hospital La Jolla, La Jolla, CA

### Education/Training

328. A Comparison of Educational Interventions to Enhance Cultural Competency in Pharmacy Students.

Ibrahim Sales, Pharm.D.,<sup>1</sup> Lauren J. Jonkman, Pharm.D., BCPS,<sup>2</sup> Deanne L. Hall, Pharm.D.,<sup>3</sup> Sharon E. Connor, Pharm.D.<sup>2</sup>; (1)University of Pittsburgh Medical Center, Pittsburgh, PA; (2)University of Pittsburgh School of Pharmacy, Pittsburgh, PA; (3)University of Pittsburgh School of Pharmacy/University of Pittsburgh Medical Center, Pittsburgh, PA

329. Validity and Reliability with Educational Testing in the Pharmacy and Medical Literature.

Matthew J. Hoover, Pharm.D.,<sup>1</sup> David M. Jacobs, Pharm.D.,<sup>1</sup> Rose Jung, Pharm.D., MPH, BCPS,<sup>2</sup> Michael J. Peeters, Pharm.D., MEd, BCPS<sup>2</sup>; (1)The University of Toledo Medical Center, Toledo, OH; (2)University of Toledo College of Pharmacy, Toledo, OH

### Family Medicine

330. Albuterol-Metered Dose Inhalers: Evaluation of a Free Medication Program.  
*Susan Kidd, Pharm.D.*,<sup>1</sup> Roberta M. Farrah, Pharm.D., BCPS<sup>2</sup>; (1)UPMC St. Margaret, Pittsburgh, PA; (2)University of Pittsburgh School of Pharmacy, Pittsburgh, PA

331. Impact of an Academic Interprofessional Collaborative Practice Clinic on Preventive Care Services.  
*Joseph A. Zorek, Pharm.D.*,<sup>1</sup> Eric J. MacLaughlin, Pharm.D.,<sup>1</sup> Anitra A. MacLaughlin, Pharm.D.,<sup>1</sup> David S. Fike, Ph.D.,<sup>2</sup> Rodney B. Young, M.D.,<sup>3</sup> Mohammed Samiuddin, M.D.<sup>3</sup>; (1)Texas Tech University Health Sciences Center School of Pharmacy, Amarillo, TX; (2)University of the Incarnate Word, San Antonio, TX; (3)Texas Tech University Health Sciences Center School of Medicine, Amarillo, TX

## **Geriatrics**

332. Prevalence of and Factors Associated with Therapeutic Failure-Related Hospitalizations in the Elderly.  
*Roshni S. Patel, Pharm.D.*,<sup>1</sup> Zachary A. Marcum, Pharm.D., BCPS,<sup>2</sup> Emily P. Peron, Pharm.D., BCPS,<sup>2</sup> Christine M. Ruby, Pharm.D., FASCP, BCPS<sup>3</sup>; (1)University of Pittsburgh Medical Center Presbyterian/Shadyside, Pittsburgh, PA; (2)University of Pittsburgh, Pittsburgh, PA; (3)University of Pittsburgh School of Pharmacy, Pittsburgh, PA

## **Health Services Research**

333. Evaluation of a Telephonic Medication Therapy Management Service in a Home Health Population: An Operational Pilot.

*Caitlin K. Frail, Pharm.D.*,<sup>1</sup> Margie E. Snyder, Pharm.D., MPH,<sup>1</sup> Heather A. Jaynes, RN, M.S.,<sup>1</sup> Patrick Dunham, BSEE,<sup>2</sup> Julie Lewis, MBA,<sup>3</sup> Jason M. Sutherland, Ph.D.,<sup>4</sup> Alan J. Zillich, Pharm.D.<sup>1</sup>; (1)Purdue University College of Pharmacy, Indianapolis, IN; (2)HealthStat Rx, LLC, Smyrna, GA; (3)Amedisys, Inc., Baton Rouge, LA; (4)University of British Columbia, Centre for Health Services and Policy Research, Vancouver, BC, Canada

## **Hematology/Anticoagulation**

334. Evaluation of Low-Molecular-Weight Heparin vs. Heparin for Inpatient Treatment of Venous Thromboembolism.

*Sami Sakaan, Pharm.D.*,<sup>1</sup> Joanna Q. Hudson, Pharm.D., FASN, FCCP, BCPS,<sup>2</sup> Angel Jones, Pharm.D., BCACP,<sup>1</sup> Justin B. Usery, Pharm.D., BCPS<sup>3</sup>; (1)Methodist University Hospital, Memphis, TN; (2)University of Tennessee, Memphis, TN; (3)Methodist University Hospital and University of Tennessee, Memphis, TN

335. Evaluation of INR Follow-up in Warfarin-Treated Patients After Antibiotic Initiation in the Emergency Department.

Amy E. Willets, Pharm.D.,<sup>1</sup> *Debra W. Kemp, Pharm.D.*, BCPS, BCACP,<sup>2</sup> Amy Clarke, Pharm.D., BCPS,<sup>1</sup> Mary H. Parker, Pharm.D., BCPS (AQ Cardiology),<sup>1</sup> Stephanie B. Hollowell, Pharm.D., BCPS<sup>1</sup>; (1)Durham VA Medical Center, Durham, NC; (2)UNC Eshelman School of Pharmacy/Durham VA Medical Center, Durham, NC

336. The Effect of Changing from Simvastatin to Rosuvastatin on the International Normalized Ratio of Patients Taking Warfarin.

*Kristen E. Tasca, Pharm.D.*, Mary H. Parker, Pharm.D., BCPS (AQ Cardiology), Debra W. Kemp, Pharm.D., BCACP, Stephanie B. Hollowell, Pharm.D., BCPS, Jennifer Whittington, Pharm.D.; Durham VA Medical Center, Durham, NC

## **HIV/AIDS**

337. Pharmacist Impact on CKD Screening of HIV-Infected Patients.

*Khayla Payton, Pharm.D.*, E. Kelly Hester, Pharm.D., BCPS, AAHIVE, Anne M. Liles, Pharm.D., Kala Trotter, Pharm.D.; Auburn University Harrison School of Pharmacy, Auburn, AL

### **Infectious Diseases**

338. Evaluation of the ATLAS Scoring System in the Prediction of Clinical Cure and Recurrence of *Clostridium difficile* Infection in a Large Academic Hospital.

*Shauna M. Jacobson, Pharm.D.*,<sup>1</sup> Douglas Slain, Pharm.D., BCPS<sup>2</sup>; (1)West Virginia University Healthcare, Morgantown, WV; (2)West Virginia University School of Pharmacy, Morgantown, WV

339. Comparison of Length of Stay in Two Treatment Severity Criteria for *Clostridium difficile* Infections.  
*Kyle A. Sobecki, Pharm.D., M.S., B.S.*, Patrick J. Gallegos, Pharm.D., BCPS, Bhavin K. Mistry, Pharm.D., BCPS; Akron General Medical Center, Akron, OH

340. Evaluation of the Treatment of Candiduria in Intensive Care Unit and Non-intensive Care Unit Patients at an Academic Medical Center.

*John Radosevich, Pharm.D.*, David E. Nix, Pharm.D., BCPS, Brian Erstad, Pharm.D., FASHP, FCCM, FCCP, BCPS; The University of Arizona College of Pharmacy, Tucson, AZ

### **Nephrology**

341. Predictors of Vitamin D Status Among Maintenance Hemodialysis Patients.

*Magdalene M. Assimon, Pharm.D., M.S.*,<sup>1</sup> Page V. Salenger, M.D.,<sup>2</sup> Darius L. Mason, Pharm.D., BCPS<sup>1</sup>; (1)Albany College of Pharmacy & Health Sciences, Albany, NY; (2)Rubin Dialysis Center, Clifton Park, NY

### **Nutrition**

342. Evaluation of the Efficacy of Management for Occluded Enteral Access.

*Jenna M. Faircloth, Pharm.D.*, Joseph Ybarra, Pharm.D., Vanessa Kumpf, Pharm.D., Douglas Seidner, M.D.; Vanderbilt University Medical Center, Nashville, TN

### **Pulmonary**

343. Impact of Interdisciplinary Chronic Obstructive Pulmonary Disease (COPD) Management on Patient Quality of Life.

*James S. Wheeler, Pharm.D.*,<sup>1</sup> Shaunta' M. Ray, Pharm.D., BCPS,<sup>1</sup> Andrea S. Franks, Pharm.D., BCPS,<sup>1</sup> Lucky C. Morton, LPN,<sup>2</sup> Amy B. Stevens, M.D.<sup>2</sup>; (1)University of Tennessee Health Science Center College of Pharmacy, Knoxville, TN; (2)University of Tennessee Graduate School of Medicine, Knoxville, TN

## **STUDENT SUBMISSIONS**

These papers describe original research by students in therapeutics, pharmacokinetics, pharmacodynamics, pharmacoeconomics, pharmacoepidemiology, and pharmacogenomics in which the research effort is ongoing.

### **ADR/Drug Interactions**

344. Variations in Citalopram and Escitalopram Drug Interaction Inclusion and Severity-Level Classifications with Drugs That Can Prolong the QTc Interval Among Selected Drug Compendia.



*Jeffery Alborn, Pharm.D. Candidate, Kevin Sullivan, Pharm.D. Candidate, Patricia R. Wigle, Pharm.D., Shauna Buring, Pharm.D., Jeff Guo, Ph.D.; JLW College of Pharmacy, Cincinnati, OH*

345. Variations in Dabigatran, Rivaroxaban and Warfarin Drug Interaction Inclusion and Severity-Level Classifications Among Selected Drug Compendia.

*Kevin Sullivan, Pharm.D. Candidate, Jeff Alborn, Pharm.D. Candidate, Patricia R. Wigle, Pharm.D., Shauna Buring, Pharm.D., Jeff Guo, Ph.D.; JLW College of Pharmacy, Cincinnati, OH*

## **Ambulatory Care**

346. Student College of Clinical Pharmacy (SCCP) Members Provide Student-Driven Diabetes Education to Behavioral Health Care Case Managers.

*Matthew C. Reale, Pharm.D. Candidate, Shannon Burchett, Pharm.D. Candidate, Tahani Mansour, Pharm.D. Candidate, David A Shifrin, Pharm.D. Candidate, Mate M. Soric, Pharm.D., BCPS, Patrick J. Gallegos, Pharm.D., BCPS, Sara Dugan, Pharm.D., BCPP; Northeast Ohio Medical University (formerly known as NEOUCOM), Rootstown, OH*

347. Characteristics of Patients Referred for Comprehensive Cardiovascular Management by a Pharmacist.

*Joseph Van Tuyl, Pharm.D. Candidate, 2013, Toni Ripley, Pharm.D., R. Chris Rathbun, Pharm.D., BCPS; The University of Oklahoma College of Pharmacy, Oklahoma City, OK*

348. A Retrospective Study Evaluating Hemoglobin A1C (HgbA1C) Control in a Pharmacist-Run Diabetes Clinic.

*Raynold V. Yin, B.S., Josephine A. Quach, B.S., Justin W. Bouw, Pharm.D., Rebecca A. Keel, Pharm.D.; California Northstate University College of Pharmacy, Rancho Cordova, CA*

349. Implementation of a Medication Reconciliation Service in a Primary Care Clinic.

*Ashley N. Chasse, Pharm.D. Candidate, 2013, Becky L. Armor, Pharm.D., CDE; University of Oklahoma College of Pharmacy, Oklahoma City, OK*

## **Cardiovascular**

350. Clinical Study of Effect of Proton Pump Inhibitors on Efficacy of Clopidogrel in Patients with Acute Coronary Syndromes.

*Parag R. Patel Jr, MSPHarm; Shri Sarvajanic Pharmacy College, Mehsana, Mehsana, India*

351. Beyond Heart Failure: Comprehensive Review to Improve the Care of Heart Failure (HF) Patients by Clinical Pharmacist at the Portland Veterans Affairs Medical Center (PVAMC).

*Sarah J. Nigro, B.S., Abby E. Floeter, B.S., Harleen Singh, Pharm.D.; Oregon State University/Oregon Health Science University, College of Pharmacy, Portland, OR*

352. Genitourinary Hemorrhage Associated with Coadministration of Dabigatran and Amiodarone: A Case Report.

*Dante A. Gravino III, Pharm.D. Candidate,<sup>1</sup> Kristina M. Kipp, Pharm.D.,<sup>2</sup> Amber E. King, Pharm.D.,<sup>1</sup> Dorota Szarlej, Pharm.D.,<sup>2</sup> Fred Rincon, M.D.<sup>3</sup>; (1)Thomas Jefferson University, Jefferson School of Pharmacy, Philadelphia, PA; (2)Thomas Jefferson University Hospital, Department of Pharmacy, Philadelphia, PA; (3)Thomas Jefferson University Hospital, Division of Neurotrauma and Critical Care, Philadelphia, PA*

354. Validation of a Linear Dosing Nomogram for Enoxaparin Anti-Xa Levels.

*Janna L. Currie, Pharm.D./MSCR Candidate,<sup>1</sup> Jenna M. Huggins, Pharm.D., BCPS,<sup>2</sup> J. Erin Allender, Pharm.D., BCPS,<sup>2</sup> Oksana Barakat, Pharm.D., BCPS<sup>2</sup>; (1)Campbell University College of Pharmacy and Health Sciences, Cary, NC; (2)WakeMed Health and Hospitals, Raleigh, NC*

## **Clinical Administration**

355. A Retrospective Comparison of Venous Thromboembolism Prophylaxis Compliance Following Implementation of Computerized Prescriber Order Entry.

*Russell L. Findlay, B.A., Benjamin Staley, Pharm.D., BCPS, Amy Rosenberg, Pharm.D., BCPS, Thomas Johns, Pharm.D., BCPS; Shands at the University of Florida, Gainesville, FL*

## **Community Pharmacy Practice**

356. Improving Prescription Auxiliary Labels to Increase Patient Understanding.

*Michelle Locke, B.S., Pharm.D. Candidate, Olayinka Shiyabola, Ph.D., Elizabeth Gripenrog, B.S., Pharm.D. Candidate, Jillian Helseth, B.S., Pharm.D. Candidate; South Dakota State University College of Pharmacy, Brookings, SD*

357. Evaluation of Vaccination Rate Against Pertussis and Promotional Strategies for Increasing Awareness of Vaccination Implemented in Community Pharmacy Practice.

*Anh T. Lam, Pharm.D. Candidate, 2013, Andre P. Lian, Pharm.D. Candidate, 2013, Nathan P. Lian, Pharm.D. Candidate, 2013, Elizabeth Sebranek Evans, Pharm.D., BCPS, CGP, Katherine Smith, Pharm.D., BCPS; Roseman University of Health Sciences College of Pharmacy, South Jordan, UT*

## **Critical Care**

358. *Candida glabrata* and *tropicalis* Pneumonia in an Immunocompetent Patient.

*Grant McGuffey, Pharm.D. Candidate,<sup>1</sup> Denise Kelley, Pharm.D.,<sup>1</sup> Leslie A. Hamilton, Pharm.D., BCPS,<sup>1</sup> Michael R. Crain, M.D.<sup>2</sup>; (1)Auburn University, Auburn, AL; (2)Princeton Baptist Medical Center, Birmingham, AL*

359. Potential Adverse Outcomes of Succinylcholine Used for Rapid Sequence Intubation.

*Courtney Watts, Pharm.D. Candidate,<sup>1</sup> Erin Archibald, Pharm.D. Candidate,<sup>1</sup> Jennifer Felder, Pharm.D. Candidate,<sup>2</sup> Leslie A. Hamilton, Pharm.D., BCPS,<sup>1</sup> Michael R. Crain, M.D.<sup>3</sup>; (1)Auburn University, Auburn, AL; (2)Union University, Jackson, TN; (3)Princeton Baptist Medical Center, Birmingham, AL*

360. Evaluation of Concurrent Vancomycin and Pentobarbital Use and the Achievement of Therapeutic Vancomycin Trough Concentrations in a Neurosciences Intensive Care Unit.

*Danielle N. Smidt, Pharm.D. Candidate, 2013, Melissa C. Erin, Pharm.D. Candidate, 2013, Tyree H. Kiser, Pharm.D., BCPS; University of Colorado Skaggs School of Pharmacy & Pharmaceutical Sciences, Aurora, CO*

## **Drug Information**

361. Analysis of Online Patient Information Resources for Complementary and Alternative Medicine.

*Christopher Bui, Pharm.D., Bradi L. Frei, Pharm.D., BCPS, BCOP; The University of the Incarnate Word – Feik School of Pharmacy, San Antonio, TX*

362. Comparison of Drug Information on Wikipedia: Tradename-Only vs. Generic Drugs.

*Mollie Reidland, Pharm.D. Candidate, John A. Thompson, Pharm.D. Candidate; Southwestern Oklahoma State University College of Pharmacy, Weatherford, OK*

## **Education/Training**

363. Factors Predicting Pharmacy Student's Interest in Applying for Pharmacy Residency.

*Brian D. Chatterton, Pharm.D. Candidate, Spencer R. Crook, Pharm.D. Candidate, Elizabeth Sebranek Evans, Pharm.D., BCPS, CGP; Roseman University of Health Sciences, South Jordan, UT*

364. A Student-Led "APPE Boot Camp": Improving Pharmacy Student Competency and Confidence in Pharmacotherapy Knowledge.

*Tiffany K. VanDervort, Pharm.D., 2013, Krista L. Donohoe, Pharm.D.; Virginia Commonwealth University, Richmond, VA*

365. Clinical Efficacy of Drug Therapy Used in Acute Renal Failure Patients.

*Ankit Dineshbhai Chaudhari, MSP Pharm, BSP Pharm, P. Sam Daniel, MSP Pharm, Ph.D., Indermeet Singh Anand, BSP Pharm, M.S. (Med.), Ph.D., PDCR; Shri Sarvajani Pharmacy College, Mehsana, Mehsana, Gujarat, India*

366. A Study on Potential Role of Pharmacists in Home Health Drug-Related Problem Management in India.

*Ankit Dineshbhai Chaudhari, MSP Pharm, BSP Pharm, Parag R. Patel, BSP Pharm, MSP Pharm, Pankaj A. Leuva, BSP Pharm, MSP Pharm; Shri Sarvajani Pharmacy College, Mehsana, Mehsana, India*

367. The Effectiveness of a Systematic Approach to the Delivery of a Drug Literature Evaluation Course.

*Natalie J. Vogt, Pharm.D. Candidate, Pamela H. Koerner, BSP Pharm, Pharm.D., BCPS, John R. Tomko, Pharm.D., BCPP, Holly C. Lassila, DrPh, R.Ph.; Duquesne University, Mylan School of Pharmacy, Pittsburgh, PA*

368. Development of an eLearning Tool to Educate Teens and Adults About the Dangers of Medication Misuse and Abuse.

*Chelsea M. DuHaime, Pharm.D. Candidate, Nabila E. Newaz, Pharm.D. Candidate, Rana AlMandy, Pharm.D. Candidate, Joann K. Whang, Pharm.D. Candidate, Thao T. Tran, Pharm.D. Candidate, An M. Bui, Pharm.D. Candidate, Helen C. Pervanas, Pharm.D.; Massachusetts College of Pharmacy and Health Sciences, Manchester, NH*

369. Advanced Pharmacy Practice Students Creating Sustainability on Short-term Medical Mission Trip.

*Jigna Patel, Pharm.D. Candidate, 2013, Ioana Jones, Pharm.D. Candidate, 2013; Palm Beach Atlantic University, West Palm Beach, FL*

370. Development of an Innovative Pharmacy Experiential Core Curriculum for the Newly Implemented Six-Year (2+4) Pharmacy Educational System in Korea.

*Su Hyun Hong, B.S.,<sup>1</sup> Nayoung Han, M.S.,<sup>1</sup> Kyu-Hyuck Chung, Ph.D.,<sup>2</sup> Jeong-Hyun Yoon, Pharm.D.,<sup>3</sup> Dae Kyong Kim, Ph.D.,<sup>4</sup> Eun Sook Lee, Pharm.D.,<sup>5</sup> Jung Mi Oh, Pharm.D.<sup>1</sup>; (1)College of Pharmacy, Seoul National University, Seoul, South Korea; (2)College of Pharmacy, Sungkyunkwan University, Suwon, South Korea; (3)College of Pharmacy, Pusan National University, Pusan, South Korea; (4)College of Pharmacy, Chung-Ang University, Seoul, South Korea; (5)The Korean Society of Health-system Pharmacists, Seoul, South Korea*

371. Current Status of Public Perception of Pharmacists and Strategies for Improvement.

*Allen PerriAnn, Pharm.D. Candidate, Michael Chiou, Pharm.D. Candidate, Munteanu Jimmy, Pharm.D. Candidate, Cavalari Alex, Pharm.D. Candidate, Bett Caroline, Pharm.D. Candidate, Gorman John, Pharm.D. Candidate, Do Kristen, Pharm.D. Candidate, Hurley Thomas, Pharm.D. Candidate, Keel Rebecca, Pharm.D.; California Northstate University – College of Pharmacy, Rancho Cordova, CA*

372. An Educational Technology Student and Faculty Needs Assessment.

*Stephen C. Austin, Pharm.D. Candidate, Dana Hammer, Ph.D., Thomas Hazlet, Pharm.D., Stanley Weber, Pharm.D.; University of Washington School of Pharmacy, Seattle, WA*

373. Impact of Graduation Year on Pharmacy Residency Matching Rates.

*Shirin Madzhidova, Pharm.D. Candidate, Julian Rodriguez, Pharm.D. Candidate, Maumer Dzebo, Pharm.D. Candidate, Antonia Zapantis, Pharm.D., M.S.; Nova Southeastern University, College of Pharmacy, Davie, FL*

374. Pharmacy Resident Research Publication Rates: A National and Regional Comparison.

*Rickey A. Evans, Pharm.D. Candidate,<sup>1</sup> April D. Miller, Pharm.D., BCPS,<sup>2</sup> P. Brandon Bookstaver, Pharm.D., BCPS (AQ-ID), AAHIVE,<sup>1</sup> Dana Stafkey-Mailey, Pharm.D., Ph.D.,<sup>1</sup> Elizabeth W. Blake, Pharm.D., BCPS,<sup>1</sup> Whitney Maxwell, Pharm.D., BCPS,<sup>1</sup> Vanessa Millisor, Pharm.D.<sup>3</sup>; (1)South Carolina College of Pharmacy-USC Campus, Columbia, SC; (2)Vidant Medical Center, Greenville, NC; (3)Pittsburgh Medical Center, Pittsburgh, PA*

375. Professional Development Opportunities Through the ACCP Network at Ernest Mario School of Pharmacy, Rutgers University.

*Esther Liu, Pharm.D. Candidate, 2013,<sup>1</sup> Rolee Pathak, Pharm.D., BCPS<sup>2</sup>; (1)Ernest Mario School of Pharmacy, Rutgers University, Piscataway, NJ; (2)Englewood Hospital and Medical Center, Englewood, NJ*

## **Endocrinology**

376. Evaluation of the Relationship Between Circulating Omentin Concentrations and Components of the Metabolic Syndrome in Nondiabetic Adults Without Cardiovascular Disease.

*Anh Vu, B.A., Maha Sidhom, B.A., Brooke Bredbeck, B.S., Lisa Kosmiski, M.D., Christina Aquilante, Pharm.D.; University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO*

377. Study of the Impact of Anxiety and Depression on Weight Loss Medication Adherence.

*Karen Lai, B.S.,<sup>1</sup> William G. Haynes, M.D.,<sup>2</sup> Graziela Z. Kalil, Pharm.D.<sup>2</sup>; (1)University of Iowa College of Pharmacy, Iowa City, IA; (2)University of Iowa Roy and Lucille Carver College of Medicine, Iowa City, IA*

## **Gastroenterology**

378. Evaluation of Alvimopan Utilization at a Four-Hospital Healthcare System.

*Prachi J. Shah, Pharm.D. Candidate, Corrie Vasilopoulos, Pharm.D.; NorthShore University Health System, Evanston, IL*

## **Geriatrics**

379. Student College of Clinical Pharmacy Provides Education About Medications and Fall Risk for Akron Area Agency on Aging Care Managers.

*Mary E. Fredrickson, Pharm.D. Candidate, Andrew Smith, Pharm.D. Candidate, Patrick Gallegos, Pharm.D., R.Ph., BCPS, Mate Soric, Pharm.D., BCPS, Susan Fosnight, R.Ph., BCPS, CGP; Northeast Ohio Medical University, Rootstown, OH*

380. The Role of the Pharmacist in Geriatric Care Coordination: Comparing the United States, the United Kingdom and Japan.

*Simone M. Austin, Pharm.D. Candidate, Annesha W. Lovett, Pharm.D., M.S., Ph.D.; Mercer University, Atlanta, GA*

## **Health Services Research**

381. Assessment of Health-Related Quality of Life in Patient with POOR Glycaemic Control in Ahmedabad District: Generic and Disease-Specific Measurement.

*Shah Dharak, MSPHarm; Shri Sarvajani Pharmacy College, Mehsana, Gujarat, India, Ahmedabad, India*

382. A Novel Approach to Decreasing Asthma Exacerbation Rates by Holding a Multidisciplinary Education Intervention in a Community Hospital Setting.

*Linda Lam, Pharm.D. Candidate, 2013, Nancy Le, Pharm.D. Candidate, 2013, Christina M. Madison, Pharm.D., BCACP; Roseman University of Health Sciences, Henderson, NV*

### **Hematology/Anticoagulation**

383. Safety and Efficacy of New Anticoagulants for the Prevention of Venous Thromboembolism After Hip and Knee Arthroplasty.

*Brett Venker, Pharm.D. Candidate, 2013,<sup>1</sup> Beejal Ruparelia, B.S., Pharm.D. Candidate, 2013,<sup>2</sup> Elizabeth D. Lee, B.A.,<sup>3</sup> Ryan Nunley, M.D.,<sup>3</sup> Brian F. Gage, M.D.<sup>3</sup>; (1)Washington University in St. Louis and St. Louis College of Pharmacy, St. Louis, MO; (2)Washington University in St. Louis and University of Michigan College of Pharmacy, St. Louis, MO; (3)Washington University in St. Louis, St. Louis, MO*

384. Net Stroke Equivalents for Antithrombotic Therapy Prescribed for Atrial Fibrillation.

*Megan Nicklaus, Pharm.D. Candidate,<sup>1</sup> Gina Hyun, B.S.,<sup>1</sup> Juan Li, MPH,<sup>1</sup> Ambar A. Andrade, M.D.,<sup>2</sup> Laura Challen, Pharm.D., MBA, BCPS,<sup>3</sup> Brian F. Gage, M.D., M.S.<sup>1</sup>; (1)Washington University, St. Louis, MO; (2)Texas Heart Institute, Houston, TX; (3)St. Louis College of Pharmacy, St. Louis, MO*

### **HIV/AIDS**

385. Baseline Antiretroviral Drug Resistance and Clinical Outcomes in an Urban HIV Clinic in Charlotte, North Carolina.

*Ferealem Assefa, Pharm.D. Candidate,<sup>1</sup> Olga M. Klibanov, Pharm.D.,<sup>1</sup> Christian R. Dolder, Pharm.D.,<sup>1</sup> Tagbo J. Ekwonu, M.D.<sup>2</sup>; (1)Wingate University School of Pharmacy, Wingate, NC; (2)Eastowne Family Physicians, Charlotte, NC*

386. Correlation Between the Concentration of Darunavir in PBMCs and Plasma in HIV-Infected Patients.

*Daisuke Nagano, Student,<sup>1</sup> Takuya Araki, Assistant Professor,<sup>1</sup> Kunio Yanagisawa, M.D.,<sup>2</sup> Masayuki Ogawa, M.D.,<sup>2</sup> Toshimasa Hayashi, M.D.,<sup>2</sup> Fumito Gouda, M.D.,<sup>3</sup> Momoko Mawatari, M.D.,<sup>4</sup> Hideki Uchiumi, Assistant Professor,<sup>2</sup> Yoshihisa Nojima, Professor,<sup>2</sup> Tomonori Nakamura, Associate Professor,<sup>1</sup> Koujirou Yamamoto, Professor<sup>1</sup>; (1)Department of Clinical Pharmacology, Gunma University Graduate School of Medicine, Maebashi, Japan; (2)Department of Medicine and Clinical Science, Gunma University Graduate School of Medicine, Maebashi, Japan; (3)National Hospital Organization Takasaki General Hospital, Takasaki, Japan; (4)Department of Hematology, National Hospital Organization Nishigunma National Hospital, Shibukawa, Japan*

387. Assessing Medication Adherence in an HIV/AIDS Patient Population: One Pill versus Three Pills as a Once a Day Regimen.

*Sarah J. Tennant, Pharm.D. Candidate, 2013,<sup>1</sup> Celeste R. Caulder, Pharm.D.,<sup>1</sup> P. Brandon Bookstaver, Pharm.D., BCPS (AQ-ID), AAHIVE,<sup>2</sup> Zaina Qureshi, Ph.D., MPH<sup>1</sup>; (1)South Carolina College of Pharmacy, Columbia, SC; (2)South Carolina College of Pharmacy-USC Campus, Columbia, SC*

### **Infectious Diseases**

388. An Evaluation of the Combination of Daptomycin and Rifampin Against Vancomycin-Resistant Enterococci Isolated from the Bloodstream of Neutropenic Patients.

*Christine Trezza, B.S.,<sup>1</sup> Jack Brown, Pharm.D., M.S.,<sup>1</sup> Alan Forrest, Pharm.D.,<sup>1</sup> Pamela Kelchlin, B.S.,<sup>1</sup> Patricia N. Holden, B.S.,<sup>1</sup> Brian T. Tsuji, Pharm.D.<sup>2</sup>; (1)University at Buffalo School of Pharmacy and Pharmaceutical Sciences, Buffalo, NY; (2)Laboratory for Antimicrobial Pharmacodynamics University at Buffalo, State University of New York, Buffalo, NY*

390. Evaluating the Impact of Tuberculosis Reporting by Pharmacies/Pharmacists to the Nevada State Health Authority.

*Jintu John, Pharm.D. Candidate, 2013*,<sup>1</sup> Christina M. Madison, Pharm.D., BCACP<sup>2</sup>; (1)Roseman University of Health Sciences, Henderson, NV; (2)Roseman University of Health Sciences, Henderson, NV

391. Retrospective Review of Antibiotic Prophylaxis in Open Lower Extremity Fractures.

*Derek N. Bremmer, Pharm.D. Candidate*,<sup>1</sup> April D. Miller, Pharm.D., BCPS,<sup>2</sup> P. Brandon Bookstaver, Pharm.D., BCPS (AQ-ID), AAHIVE,<sup>1</sup> Mark Cairns, M.D. Candidate,<sup>3</sup> Kenneth T. Lindley, M.D.,<sup>4</sup> David E. Koon Jr, M.D.<sup>3</sup>; (1)South Carolina College of Pharmacy-USC Campus, Columbia, SC; (2)Vidant Medical Center, Greenville, NC; (3)University of South Carolina School of Medicine, Columbia, SC; (4)Palmetto Health Richland, Columbia, SC

392. The SAGA Components Gcn5 and Ada2 Influence the Activity of Fluconazole Against *Candida glabrata* Independent of the Pdr1 Transcriptional Pathway.

*Sarah G. Whaley, Pharm.D.*, Katherine S. Barker, Ph.D., P. David Rogers, Pharm.D., Ph.D.; University of Tennessee College of Pharmacy, Memphis, TN

393. Challenges in Implementing Antimicrobial Stewardship in the Emergency Department (ED): A Systematic Review.

*Sandy P. Bonfin, Pharm.D. Candidate*; Palm Beach Atlantic University, West Palm Beach, FL

394. Clinical Experience with Tigecycline Against Gram-negative Infections.

*Chase B. Bishop, Pharm.D. Candidate*,<sup>1</sup> Sridevi Sambhara, Pharm.D. Candidate,<sup>1</sup> Sara J. Dingwall, Pharm.D.,<sup>1</sup> NaaDeDe O. Badger-Plange, Pharm.D., BCPS,<sup>2</sup> S. Todd Parker, Pharm.D.,<sup>2</sup> Chad M. VanDenBerg, Pharm.D., BCCP,<sup>1</sup> Vanthida Huang, Pharm.D., BSPHM<sup>1</sup>; (1)Department of Pharmacy Practice, Mercer University College of Pharmacy and Health Sciences, Atlanta, GA; (2)Piedmont Hospital, Atlanta, GA

395. Use of Antibiotic Lock Therapy in Central Line-Associated Bloodstream Infections in Cancer Patients: A Systematic Review.

*Farah Kablaoui, Pharm.D. Candidate*,<sup>1</sup> P. Brandon Bookstaver, Pharm.D., BCPS (AQ-ID), AAHIVE,<sup>1</sup> LeAnn B. Norris, Pharm.D., BCPS, BCOP,<sup>1</sup> Charlie L. Bennett, M.D., Ph.D., MPP,<sup>1</sup> Robert J. Sherertz, M.D.<sup>2</sup>; (1)South Carolina College of Pharmacy, Columbia, SC; (2)Wake Forest University School of Medicine, Winston-Salem, NC

## **Medication Safety**

396. Community Pharmacists' Perceptions and Knowledge of Medication Disposal.

*Lanette J. Sipple, Pharm.D. Candidate, 2013*, Autumn L. Stewart, Pharm.D.; Duquesne University, Pittsburgh, PA

397. Prevalence of Statin-Induced Rhabdomyolysis in Asian Populations.

*Xu Cong Ruan, BSPHarm*, Yu Heng Kwan, BSPHarm, Joanne Chang, Pharm.D.; National University of Singapore, Singapore, Singapore

398. Use of Unsafe Abbreviations in Pharmacy Literature.

Joseph Kohn, Pharm.D. Candidate, Duchess Domingo, Pharm.D. Candidate, *Ruth Nyakundi, Pharm.D. Candidate*, Kai Feng, Pharm.D. Candidate, Christopher Maceri, Pharm.D. Candidate, Antonia Zapantis, Pharm.D., M.S., Jennifer G. Steinberg, Pharm.D.; Nova Southeastern University, College of Pharmacy, Davie, FL

399. Evaluation of Dabigatran Prescribing Practices at University of Illinois Medical Center.

Joey Lam, Pharm.D. Candidate, 2013,<sup>1</sup> Adam P. Bress, Pharm.D.,<sup>2</sup> Edith A. Nutescu, Pharm.D.<sup>1</sup> Vicki L. Groo, Pharm.D.<sup>2</sup>; (1)University of Illinois at Chicago College of Pharmacy, Chicago, IL; (2)University of Illinois at Chicago, Chicago, IL

401. Tech-Check-Tech Program.

Hung Le, Pharm.D. Candidate, 2013; Yakima Regional Medical & Cardiac Center, Yakima, WA

## Nephrology

403. Clinical Pharmacist–Driven Anemia Management Team Care with Evidence–Based Algorithm in Chronic Kidney Disease Patients.

Chae Hee Kwak, M.S.,<sup>1</sup> Da-Hae Jun, M.S.,<sup>1</sup> Nayoung Han, M.S.,<sup>1</sup> Soojung Ha, M.S.,<sup>1</sup> Eunhee Ji, Ph.D.,<sup>1</sup> Yon Su Kim, M.D., Ph.D.,<sup>2</sup> Kwon Wook Joo, M.D., Ph.D.,<sup>2</sup> Kook Hwan Oh, M.D., Ph.D.,<sup>2</sup> Dong Ki Kim, M.D., Ph.D.,<sup>2</sup> Hye-suk Lee, Ph.D.,<sup>1</sup> Jung Mi Oh, Professor<sup>1</sup>; (1)College of Pharmacy, Seoul National University, Seoul, South Korea; (2)Seoul National University Hospital, Seoul, South Korea

## Neurology

404. Utility of Serum Cytokines as Biomarkers for Ischemic Stroke in Translational Research.

Abdelrahman Y. Fouda, B.S.,<sup>1</sup> Anna Kozak, M.S.,<sup>2</sup> Ahmed Alhusban, Pharm.D.,<sup>1</sup> Jeffrey Switzer, D.O.,<sup>3</sup> Susan C. Fagan, Pharm.D.<sup>4</sup>; (1)University of Georgia, Augusta, GA; (2)University of Georgia College of Pharmacy and Veterans Affairs Medical Center, Augusta, GA; (3)Georgia Health Sciences University, Augusta, GA; (4)Program in Clinical and Experimental Therapeutics University of Georgia College of Pharmacy Charlie Norwood VA Medical Center, Augusta, GA

405. Blood Pressure Variability and Outcome in Ischemic Stroke Patients.

Jocelyn A. Owusu-Yaw, Pharm.D. Candidate, 2013,<sup>1</sup> Susan C. Fagan, Pharm.D.,<sup>2</sup> Jody L. Rocker, Pharm.D.,<sup>3</sup> Jeffrey Switzer, D.O.,<sup>3</sup> David Hess, M.D.<sup>3</sup>; (1)University of Georgia College of Pharmacy, Augusta, GA; (2)Program in Clinical and Experimental Therapeutics University of Georgia College of Pharmacy Charlie Norwood VA Medical Center Au, Augusta, GA; (3)Georgia Health Sciences University, Augusta, GA

406. The Effect of Dexamethasone on Glioblastoma-Associated Stromal Cells.

Amira Hosni-Ahmed, M.S.,<sup>1</sup> Ken Pitter, B.S.,<sup>2</sup> Eric Holland, M.D., Ph.D.,<sup>2</sup> Terreia Jones, Pharm.D.<sup>1</sup>; (1)University of Tennessee, Memphis, TN; (2)Memorial Sloan-Kettering Cancer Center, New York, NY

## Oncology

454. Technetium-99m Sulfur Colloid (TSC) as a Phenotypic Probe for Predicting Pharmacokinetics (PK) and Palmar-Plantar Erythrodysesthesia (PPE) Toxicity of PEGylated Liposomal Doxorubicin (PLD) in Patients with Recurrent Epithelial Ovarian Cancer (EOC).

Hugh Giovanazzo, B.S., Pharm.D. Candidate,<sup>1</sup> Parag Kumar, Pharm.D.,<sup>1</sup> Arif Sheikh, M.D.,<sup>2</sup> Marija Ivanovic, Ph.D.,<sup>2</sup> Mark D. Walsh, Pharm.D.,<sup>3</sup> Whitney P. Caron, Pharm.D.,<sup>1</sup> Gina Song, Pharm.D.,<sup>1</sup> Ann B. Whitlow, RT, CNMT,<sup>4</sup> Suzanne E. Newman, B.S.,<sup>4</sup> Nihn La-Beck, Pharm.D.,<sup>5</sup> Richard J. Kowalsky, Pharm.D.,<sup>4</sup> Beth A. Zamboni, M.S.,<sup>6</sup> Daniel L. Clarke-Pearson, M.D.,<sup>7</sup> Wendy R. Brewster, M.D.,<sup>7</sup> Linda Van Le, M.D.,<sup>7</sup> Victoria Lin Bae-Jump, M.D., Ph.D.,<sup>4</sup> Paola A. Gehrig, M.D.,<sup>7</sup> William C. Zamboni, Pharm.D., Ph.D.<sup>1</sup>; (1)University of North Carolina at Chapel Hill School of Pharmacy Division of Pharmacotherapy and Experimental Therapeutics, Chapel Hill, NC; (2)University of North Carolina at Chapel Hill School of Medicine, Chapel Hill, NC; (3)Mount Auburn Hospital, Cambridge, MA; (4)University of North Carolina at Chapel Hill, Chapel Hill, NC; (5)Texas Tech University, Abilene, TX; (6)Carlow University, Pittsburgh, PA; (7)University of North Carolina at Chapel Hill, Lineberger Comprehensive Cancer Center, Chapel Hill, NC

407. The Role of Procalcitonin in Hematopoietic Stem Cell Transplant: A Systematic Literature Review. *Rabia Jamali, Pharm.D. Candidate, 2013*,<sup>1</sup> William O'Hara, Pharm.D., BCPS, BCOP<sup>2</sup>; (1)Jefferson School of Pharmacy, Philadelphia, PA; (2)Thomas Jefferson University Hospital, Philadelphia, PA

408. An Analysis of Current Prescribing Practices in a Community Hospital: Filgrastim Used to Prevent and Treat Febrile Neutropenia, a Potentially Dangerous Side Effect of Myelosuppressive Chemotherapy. Arlene Cheng, Pharm.D. Candidate, 2013,<sup>1</sup> *Shane Clemans, Pharm.D. Candidate, 2013*,<sup>1</sup> Agnieszka Koniacka, Pharm.D., MBA<sup>2</sup>; (1)St Johns University, Jamaica, NY; (2)Huntington Hospital NS LJ Health System, Huntington, NY

## Other

409. A Validation Study of the Malay Version of Minnesota Nicotine Withdrawal Scale. *Ali Qais Blebil, MSPharm*,<sup>1</sup> Mohamed Azmi Ahmad Hassali, Ph.D.,<sup>1</sup> Syed Azhar Syed Sulaiman, Pharm.D.,<sup>1</sup> Alfian M. Zin, Diploma,<sup>2</sup> Juman Dujaili, MSPharm<sup>1</sup>; (1)School of Pharmaceutical Science, University of Sains Malaysia, Bayan Lepas, Malaysia; (2)Quit Smoking Clinic, Penang General Hospital, Gourage Town, Malaysia

410. Evaluation of Psychometric Properties for Translated-Malay Version of the Brief Questionnaire on Smoking Urges. *Ali Qais Blebil, MSPharm*,<sup>1</sup> Mohamed Azmi Ahmad Hassali, Ph.D.,<sup>1</sup> Syed Azhar Syed Sulaiman, Pharm.D.,<sup>1</sup> Alifian M. Zin, Diploma,<sup>2</sup> Juman Dujaili, MSPharm<sup>1</sup>; (1)School of Pharmaceutical Science, University of Sains Malaysia, Bayan Lepas, Malaysia; (2)Quit Smoking Clinic, Penang General Hospital, Bayan Lepas, Malaysia

411. A Meta-analysis of the Effects of Interleukin-10 Promoter Gene Polymorphisms on Acute Graft-versus-Host Disease Susceptibility. *InHye Cho, B.S.*, YunKyoung Song, M.S., Bo Yoon Choi, B.S., Jung Mi Oh, Pharm.D.; College of Pharmacy, Seoul National University, Seoul, South Korea

412. Mechanisms of the Vascular -Protective Effects of Metformin: Vascular Contractility. *Paul Hansen Jr, Pharm.D. Candidate*, Rajkumar Pyla, M.D., Ph.D., Islam Osman, M.S., Susan C. Fagan, Pharm.D., Lakshman Segar, Ph.D.; University of Georgia College of Pharmacy Department of Clinical and Experimental Therapeutics, Augusta, GA

413. Effect of Dasatinib on TGF- $\beta$ -induced Fibroblast-to-Myofibroblast Differentiation. *Robert Newsome, Pharm.D. Candidate*,<sup>1</sup> Maha Abdalla, Pharm.D.,<sup>1</sup> Somanath P.R. Shenoy, Ph.D.<sup>2</sup>; (1)Program in Clinical and Experimental Therapeutics, College of Pharmacy, University of Georgia, Augusta, GA; (2)University of Georgia College of Pharmacy and VA Medical Center, Augusta, GA

## Pain Management/Analgesia

414. Evaluation of Prescribing Practices in the Treatment of Pain and Nausea Associated with Acute Pancreatitis at a Tertiary Care Hospital. *Courtney Watts, Pharm.D. Candidate*, Jeffrey B. Doss, Pharm.D. Candidate, Karen Marlowe, Pharm.D., BCPS, John Allen, Pharm.D., BCPS, Sarah A. Treadway, Pharm.D., BCPS; Auburn University Harrison School of Pharmacy, Mobile, AL

## Pediatrics

415. An Evaluation of Theoretical Loading Doses in Pediatric Patients Receiving Vancomycin. *Meghan M. Caylor, Pharm.D. Candidate*, Kacy L. Mulligan, Pharm.D. Candidate, Kalen B. Manasco, Pharm.D., BCPS, AE-C; Georgia Health Sciences Children's Medical Center, Augusta, GA



416. Vancomycin Susceptibility and Clinical Action: A Retrospective Pediatric Cohort of MRSA Infections with MIC Equal to 2 mcg/mL.

*Amber M. Bacak, Pharm.D. Candidate,<sup>1</sup> Cris Hogue, Pharm.D.<sup>2</sup>; (1)Texas A&M Health Science Center Rangel College of Pharmacy, Kingsville, TX; (2)Driscoll Children's Hospital (Complete Rx LTD.), Corpus Christi, TX*

417. Antioxidant Use in Severely Burned Children: A Literature Review.

*Rajinder Kaur, B.S., Pharm.D. Candidate, 2013, Henna Shah, B.S., Pharm.D. Candidate, 2013; Jefferson School of Pharmacy, Philadelphia, PA*

### **Pharmacoeconomics/Outcomes**

418. Pharmaceutical Quality and Access in Nigeria: Evaluation of the Mobile Authentication Technology and Stakeholder Perceptions on Quality and Access.

*Chioma J. Ebenezer, BSP Pharm, M.S. CP1PP; UCL School of Pharmacy, London, United Kingdom*

419. Cost-effectiveness Analysis of Genotype-Guided Antiplatelet Therapy in Patients with Acute Coronary Syndrome and Planned Percutaneous Coronary Intervention.

*Fang-Ju Lin, M.S., Vardhaman Patel, M.S., Olaitan Ojo, Pharm.D., MBA, BCPS, Sapna Rao, M.S., Shengsheng Yu, Ph.D., Lin Zhan, M.S., Daniel R. Touchette, Pharm.D., M.A.; University of Illinois at Chicago, Chicago, IL*

420. Evaluating the Cost-effectiveness of Using Boceprevir and Telaprevir in the Treatment of Newly Diagnosed Hepatitis C Genotype 1 Patients: A Payer's Perspective.

*Yash J. Jalundhwala, BSP Pharm, M.S., Pankaj Patel, Pharm.D., M.S., Hedlund Nancy, BSP Pharm (R.Ph.), MBA, Cheng Wendy, BSP Pharm, M.S., Manzoor Beenish, MPH, Patel Haridarshan, Pharm.D., Daniel Touchette, Pharm.D., MA; University of Illinois at Chicago, Chicago, IL*

### **Pharmacogenomics/Pharmacogenetics**

421. Lack of Association Between MRP2 C-24T Variant and the Pharmacokinetics of Fexofenadine.

*Jung-In Park, Ph.D. Candidate, Byung-Sung Kang, Ph.D. Candidate, Chang-Ik Choi, Ph.D.; School of Pharmacy, Sungkyunkwan University, Suwon, South Korea*

422. CYP450 Genetic Polymorphisms Have No Significant Impact on the Pharmacokinetics of Cilostazol.

*Byung-Sung Kang, Ph.D. Candidate, Hey-In Lee, M.S., Chang-Ik Choi, Ph.D.; School of Pharmacy, Sungkyunkwan University, Suwon, South Korea*

423. Effects of CYP2D6\*10 and CYP2D6\*5 Alleles on the Pharmacokinetics of Carvedilol in Healthy Koreans.

*Byung-Sung Kang, Ph.D. Candidate, Hye-In Lee, M.S., Chang-Ik Choi, Ph.D.; School of Pharmacy, Sungkyunkwan University, Suwon, South Korea*

424. No Association Between OCT2 C602T Genetic Variant and the Pharmacokinetics of Lamivudine.

*Mi-Jung Kim, Ph.D. Candidate, Choon-Gon Jang, Ph.D., Seok-Yong Lee, Ph.D.; School of Pharmacy, Sungkyunkwan University, Suwon, South Korea*

425. The Effect of the CYP4F2 V433M Polymorphism on Maintenance Warfarin Dosing: A Meta-analysis.

*Beejal Ruparelia, B.S., Pharm.D. Candidate, 2013,<sup>1</sup> Brett Venker, Pharm.D. Candidate, 2013,<sup>2</sup> Jeremy Lai, B.S.,<sup>3</sup> Brian F. Gage, M.D., M.S.<sup>4</sup>; (1)Washington University in St. Louis and University of Michigan College of Pharmacy, St. Louis, MO; (2)Washington University in St. Louis and St. Louis College of Pharmacy, St. Louis, MO; (3)Washington University in St. Louis, St. Louis, MO; (4)Washington University, St. Louis, MO*

### **Pharmacokinetics/Pharmacodynamics/Drug Metabolism/Drug Delivery**

427. Development and Pharmacokinetic Characterization of New Delayed Pulsatile-Release Ondansetron Formulation.

*N. Rebecca Barwick, Pharm.D. Candidate,<sup>1</sup> Corey Fowler, Ph.D.,<sup>2</sup> Tong Lee, M.D.,<sup>2</sup> Steven Szabo, M.D., Ph.D.,<sup>2</sup> Ashwin Patkar, M.D.,<sup>2</sup> Melissa Hall, B.S.,<sup>1</sup> Wayne F. Beyer Jr, Ph.D.,<sup>3</sup> Lan-Yan Yang, Ph.D.,<sup>2</sup> Shein Chow, Ph.D.,<sup>2</sup> Bruce Burnett, Ph.D.,<sup>2</sup> Brett Froeliger, Ph.D.,<sup>2</sup> O. Barry Mangum, Pharm.D., FCP<sup>2</sup>; (1)Campbell University, Buies Creek, NC; (2)Duke Clinical Research Unit, Durham, NC; (3)Duke Translational Research Institute, Durham, NC*

428. Flavonoid Biotransformation: Pharmacokinetic and Pharmacodynamic Effects of Flavonoid Glycosylation.

*Mark R. Rosenberg, B.A., Pharm.D. Candidate, 2013; McWhorter School of Pharmacy, Samford University, Birmingham, AL*

429. Inter-individual Variability of Tacrolimus Clearance in the Early Post-kidney Transplantation: A Model-Based Population Pharmacokinetic-Pharmacogenetic Analysis Using Estimated Ka from Dense Sampling Data.

*Soo Jung Ha, B.S.,<sup>1</sup> Hwi Yeol Yoon, Ph.D.,<sup>1</sup> Nayoung Han, M.S.,<sup>1</sup> Sang Il Min, M.D.,<sup>2</sup> Jongwon Ha, M.D.,<sup>2</sup> HyeSook Lee, M.S., Jung Mi Oh, Pharm.D.<sup>1</sup>; (1)College of Pharmacy, Seoul National University, Seoul, South Korea; (2)Department of Surgery, Seoul National University Hospital, Seoul, South Korea; (3)Department of Pharmacy, Seoul National University Hospital, Seoul, South Korea, Seoul, South Korea*

430. CYP3A4 Activity of Paclitaxel and Vinorelbine in Microemulsions.

*Ville Tiitto, Pharm.D. Candidate, Youngil Chang, Pharm.D. Candidate, Adwoa Nornoo, Ph.D.; Palm Beach Atlantic University, West Palm Beach, FL*

431. Cytotoxicity of Vinorelbine and Resveratrol in a Caco-2 Cell Line.

*Sandy P. Bonfin, Pharm.D. Candidate, Patricia Nguebo, Pharm.D. Candidate, Adwoa O. Nornoo, Ph.D.; Palm Beach Atlantic University, West Palm Beach, FL*

## **Psychiatry**

432. Evaluation of Non-psychiatric and Antipsychotic Medication Use in Long-term Inpatient Psychiatric Facility.

*Pauline Park, B.A., Hugh Franck, B.S., Jose Rey, Pharm.D., BCPP; Nova Southeastern University College of Pharmacy, Fort Lauderdale, FL*

433. Investigating the Factors Influencing the Prescription of Antidepressants with No FDA-Approved Indication in the United States Between 2006-2009.

*Brandy L. Marriner, Pharm.D., MSCR Candidate,<sup>1</sup> Tina Tseng, Ph.D., MSPH,<sup>2</sup> Wesley Rich, Ph.D.,<sup>2</sup> Ryan Hall, M.D.<sup>3</sup>; (1)Department of Clinical Research, Campbell University College of Pharmacy and Health Sciences, Buies Creek, NC; (2)Department of Public Health, Campbell University College of Pharmacy and Health Sciences, Buies Creek, NC; (3)Department of Psychiatry, University of South Florida, Tampa, FL*

434. A Retrospective Analysis of Inpatient Utilization of Paliperidone Palmitate.

*Mikayla Klug, Pharm.D. Candidate, 2014, April N. Smith, Pharm.D., BCPS; Creighton University School of Pharmacy and Health Professions, Omaha, NE*

435. Utilization of the Patient Health Questionnaire to Monitor Depression in a Primary Care Setting.

*Josh Stanton, Pharm.D.,<sup>1</sup> Patricia R. Wigle, Pharm.D., BCPS,<sup>2</sup> Chris White, M.D., J.D.<sup>3</sup>; (1)Shrivers Pharmacy, New Lexington, OH; (2)University of Cincinnati, Cincinnati, OH; (3)UC College of Medicine, Cincinnati, OH*

## **Transplant/Immunology**

436. Efficacy of Valganciclovir plus Cytomegalovirus Immune Globulin for Prevention of Cytomegalovirus Disease in High-Risk Renal Transplant Recipients.

*Amanda N. Bitterman, Pharm.D. Candidate, 2013,*<sup>1</sup> Angela Q. Maldonado, Pharm.D., BCPS,<sup>1</sup> Okechukwu N. Ojogho, M.D.,<sup>2</sup> Ruby Siegel, M.S.,<sup>1</sup> Douglas L. Weeks, Ph.D.<sup>1</sup>; (1)Washington State University, Spokane, WA; (2)Providence Sacred Heart Medical Center & Children's Hospital, Spokane, WA

437. Insomnia and Relationship with Immunosuppressant Therapy After Lung Transplantation.

*Ashley K. Weber, Pharm.D. Candidate,*<sup>1</sup> Krista M. Katers, Pharm.D.,<sup>1</sup> Kalynn A. Rohde, Pharm.D. Candidate,<sup>1</sup> Donald S. Hawes, RN,<sup>2</sup> Kelly L. Radford, RN,<sup>2</sup> Mary L. Francois, RN, MSN,<sup>2</sup> Zachary W. Schlei, Pharm.D. Candidate,<sup>1</sup> Mary S. Hayney, Pharm.D., MPH,<sup>1</sup> John M. Dopp, Pharm.D., M.S.<sup>1</sup>; (1)University of Wisconsin School of Pharmacy, Madison, WI; (2)University of Wisconsin Hospital and Clinics, Madison, WI

438. Evaluation of Acute Graft Rejection Rates 1-Year Post Renal Transplantation: Results of a Formulary Change to a Steroid-Sparing Thymoglobulin Regimen in an Academic Medical Center.

*Andrea N. Sikora, Pharm.D. Candidate,*<sup>1</sup> Robert C. Newsome, Pharm.D. Candidate,<sup>1</sup> Todd Merchen, M.D.,<sup>2</sup> Donna Vasil, Pharm.D.,<sup>2</sup> Dianne May, Pharm.D., BCPS<sup>1</sup>; (1)University of Georgia College of Pharmacy, Athens, GA; (2)Georgia Health Sciences University, Augusta, GA

439. Evaluation of the Use and Policies for Medical Marijuana in Heart and Lung Transplant Recipients: A Survey of United States Transplant Medical Directors.

*Kimberly D. Shipp, B.S., Pharm.D. Candidate,*<sup>1</sup> Robert Lee Page II, Pharm.D., MSPH, FCCP, FAHA, BCPS,<sup>2</sup> Karin Keller, FNP, RN,<sup>3</sup> JoAnn Lindenfeld, M.D.<sup>4</sup>; (1)University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO; (2)University of Colorado Denver School of Pharmacy, Aurora, CO; (3)University of Colorado, Aurora, CO; (4)University of Colorado Health Sciences Center, Aurora, CO

