

Rx News

A Monthly Newsletter
of The University of Georgia College of Pharmacy
June 2015

AWARDS/HONORS

Trisha Branan, Clinical Assistant Professor

Awarded a scholarship in the amount of \$3,687.50 from the ACCP Critical Care PRN towards tuition to the ACCP MeRIT program

Ewan Cobran, Assistant Professor

Selected by The National Institute on Minority Health and Health Disparities as a 2015 Scholar and will be attending the Translational Health Disparities Course: Integrating Principles of Science, Practice and Policy in Health Disparities Research, at the National Institute of Health in Bethesda, Maryland

Rajgopal Govindarajan, Associate Professor

Served as a reviewer for NIH Developmental Therapeutics study section.

Anthony Hawkins, Clinical Assistant Professor

Appointed Coordinator of the PGY-1 Pharmacy Residency at Phoebe Putney Memorial Hospital

Eileen Kennedy, Assistant Professor

Elected to the Nominating Committee of the American Peptide Society

Served as a session chair for a session entitled "Cell Penetrating Peptides," 24th American Peptide Symposium, Orlando, FL

Served as a judge for the semi-finals of the Young Investigator Poster Competition, 24th American Peptide Symposium

Served as a senior mentor and discussion leader for the Career Development Workshop, 24th American Peptide Symposium

Mandi Murph, Assistant Professor

Murph served as a reviewer for a special study section for the National Cancer Institute of the National Institutes of Health.

Somanath Shenoy, Associate Professor

Featured in June 29 UGA Today for research on drug tricitiribine potential against respiratory disease

Monica Williams, Administrative Specialist I

Named STAR employee for first quarter of 2015

GRANTS

Aaron Beedle, Assistant Professor

Received \$62,205 from the National Institutes of Health as continuing funding to study structure and function in alpha-dystroglycan glycosylation

Ewan Cobran, Assistant Professor

Awarded American Cancer Society Institutional Research Grant in partnership with Georgia Regents University Cancer Center, in the amount of \$32,930. The grant is titled "Quality of Life, Racial Differences, and Risk of ADT Associated Diabetes, MI, and CVD during Treatment for Advance Prostate Cancer: A Surveillance, Epidemiology, and End Results (SEER) Linked Medicare Part D and Medicare Health Outcomes Survey Analysis."

Susan Fagan, Jowdy Professor

Received \$319,000 from the National Institutes of Health to study angiotensin receptor agonism to promote recovery after stroke

Eileen Kennedy, Assistant Professor

Received \$50,000 from the UGA/GRU Seed Grant Program for study of targeting the WASF3/NCKAP1 interaction to suppress cancer cell invasion and metastasis

Lilian Sattler, Assistant Professor

Awarded \$1,500 through the Faculty Achievement in Classroom Teaching (FACT) grant program to implement the Team-Based Learning (TBL) method to deliver the new Nutrition and Lifestyle Intervention in Pharmacy Practice course offered to first-year pharmacy students (PHRM 3540).

Awarded a 3-year Honorary Research Fellowship with the Department of Health Services Research at the Institute of Psychology, Health, and Society at the University of Liverpool, UK.

Somanath Shenoy, Associate Professor

Received \$40,000 from the UGA/GRU Seed Grant Program to study FoxO activation for colon cancer prevention and treatment

Yujun Zheng, Associate Professor

Received \$280,000 from the National Science Foundation to study chemical biology approaches to sorting out protein acetylation

PUBLICATIONS**Michael Bartlett, Interim Head, Nontraditional Education and Outreach**

P. Li, Z. Li, W.D. Beck, P.M. Callahan, A.V. Terry, M. Bar-peled and M.G. Bartlett, "Biogeneration of stable isotope-labeled internal standards for absolute and relative quantitation of phase II drug metabolites using LC-MS/MS" *Analytical and Bioanalytical Chemistry*, 407, 4053-4063 (2015).

This paper describes several strategies including the use of a bioengineered strain of E. coli to produce carbon-13 labeled UDP-glucuronic acid as a reagent for easily creating isotopically-labeled internal standards for LC-MS/MS assays without the need for synthesis.

Christopher Bland, Clinical Assistant Professor

Tesh LD, Shaeer KM, Cho JC, Estrada SJ, Huang V, Bland CM, Dimondi VP, Potter A, Hussein G, Bookstaver PB. *Neisseria gonorrhoeae* and fosfomycin: past, present, and future. *Int J Antimicrob Agents*. 2015. DOI: 10.1016/j.ijantimicag.2015.05.007.

Bland CM, Bookstaver PB. Double gram-positive coverage for Acute Bacterial Skin and Skin Structure Infections: Has the Eagle landed? *Clin Infect Dis*. 2015. Jun 16. pii: civ465. [Epub ahead of print]

Lilian Sattler, Interdisciplinary Assistant Professor

Published Sattler EL, Lee JS, Young HN. Factors Associated with Inpatient Hospital (Re)admissions in Medicare Beneficiaries in Need of Food Assistance. *J Nutr Gerontol Geriatr* 2015;34(2):228-44, with Dr. Henry Young

George Zheng, Associate Professor

Published a new book titled "Epigenetic Technological Applications" was edited by Dr. Zheng and was published by Elsevier publisher. The book can be purchased from Elsevier and Amazon.

Ngo, L., Wu, J., Yang, C., Zheng, Y. G. (2015) Effective Quenchers Are Required to Eliminate the Interference of Substrate-Cofactor Binding In the HAT Scintillation Proximity Assay. *Assay Drug Dev Techn*. 13, 210-220.

Zheng, Y. G. (2015) The State of the Art of Epigenetic Technologies. Book chapter in *Epigenetic Technological Applications* (Zheng, Y. G., ed.), Elsevier, Waltham.

Luan, Y., Ngo, L., Han, Z., Wang, X., Qu, M., Zheng, Y. G. (2015) Histone Acetyltransferases: Enzymes, Assays, and Inhibitors. Book chapter in *Epigenetic Technological Applications* (Zheng, Y. G., ed.), Elsevier, Waltham.

PRESENTATIONS

Michael Bartlett, Interim Head, Nontraditional Education and Outreach

B. Basiri and M.G. Bartlett, Statistical analysis of the electrospray charge state distribution of oligonucleotides, 63rd National Meeting of the American Society for Mass Spectrometry, St. Louis, MO, June 2015

D. Gullick, D. Dawson, H.C. Young, J.V. Bruckner, B.S. Cummings and M.G. Bartlett, Quantitation of pyrethroids in rat brain, liver, fat and muscle homogenates using dispersive solid phase extraction with GC-NCI-MS, 63rd National Meeting of the American Society for Mass Spectrometry, St. Louis, MO, June 2015

X. Yang and M.G. Bartlett, Quantitation of quetiapine and its active metabolite norquetiapine in rat plasma and brain tissue by LC-MS/MS, 63rd National Meeting of the American Society for Mass Spectrometry, St. Louis, MO, June 2015

Aaron Beedle, Assistant Professor

(Invited Speaker) Presented an invited short talk entitled "Evidence for alpha-dystroglycan function in myogenesis and muscle regeneration: Lessons from Fktn-deficient dystroglycanopathy mice" at the Gordon Research Conference on Myogenesis, Lucca, Italy, June 21-26, 2015.

James Bruckner, Professor

Gullick, D.R., Dawson, D.D., Young, H.C., Bruckner, J.V., Cummings, B.S., and Bartlett, M.G.: Quantitation of Pyrethroids in Rat Brain, Liver, Fat and Muscle Homogenates Using Dispersive Solid Phase Extraction with GC-NCI-MS. Presented to the American Society for Mass Spectrometry in St. Louis, MO, June, 2015.

Mortuza, T., Pang, J., Cummings, B.S., Bruckner, J.V., and White, C.A.: Pharmacokinetic (PK) Differences of Class I Pyrethroids (cis-Permethrin) in Adult and Weanling Sprague-Dawley (SD) Rats. Presented at the National Biotechnology Conference in San Francisco, CA, June, 2015.

Brian Cummings Associate Professor

Presented "Identification of Novel Lipid Biomarkers of Cocaine Use in Humans" as part of a Symposium titled "A Trio of Translational Projects: Biomarkers, Bioimmunology, and Behavior in Rodents and Humans" at the College on Problems of Drug Dependence 77th Annual Meeting in Phoenix, AZ.

Azza El- Remessy, Associate Professor

Made two presentations in the 75th Scientific session of American Diabetes Association in Boston, MA

Audio Guided tour poster presented in Nover therapeutics for diabetic complications, "Modulating p75NTR as a therapeutic target in preventing diabetes-induced retinal vascular permeability"

Poster presentation under Diabetes and Obesity-induced macrovascular complication, "Deletion of TXNIP improves high fat diet-impaired vascular recovery in hind limb ischemic model"

Eileen Kennedy, Assistant Professor

MD Fulton, LE Hanold, S Patel, K Oruganty, N Kannan, D Bertinetti, FW Herberg, EJ Kennedy. "Allosteric inhibitors of the EGFR assymmetric dimer interface." 24th American Peptide Symposium, Orlando, FL

Dexi Liu, Head, Pharmaceutical and Biomedical Sciences

Presented Poster: Hao Sun (Travel Award) and Dexi Liu, Assessment of IL-15/sIL-15R alpha Gene Therapy on Lewis Lung Carcinoma Growing in Mouse Lung, Liver and Kidneys, 2015 AAPS National Biotechnology Conference, June 8-10, 2015, San Francisco, CA.

J. Russell May, Clinical Professor

Presented "New Drug Update 2015: A Formulary Approach", Medical Staff Continuing Education Program, University Hospital, Augusta, GA, June 25, 2015

Scott Pegan, Associate Professor

Conference Poster Presentation: The vOTU domain of highly-pathogenic porcine reproductive and respiratory syndrome virus displays a differential substrate preference. Deaton MK, Spear A, Faaberg KS, Pegan SD., International Porcine Reproductive And Respiratory Syndrome Congress, June 3, 2015, Ghent, Belgium

George Zheng, Associate Professor

Gave an invited presentation entitled "Bioorthogonal Chemical Probes to Protein Acylation" at the World Preclinical Congress meeting at Boston, MA, June 11-12, 2015.

OTHER NEWS

Rajgopal Govindarajan, Associate Professor

Attended Keystone Symposia on non coding RNAs and cancer at Keystone, Colorado.

Lilian Pia Sattler, Interdisciplinary Assistant Professor

Attended Patient-centered Outcomes Research Institute (PCORI) Workshop: "Getting to Know PCORI: From Application to Closeout;" Atlanta, GA, June 22-23, 2015, with Drs. Duska Franic and Ewan Cobran

Trina von Waldner, Director, Continuing Education and Outreach, and Deanna McEwen, Public Service Associate

Served as preceptor 17 for IPPE students and 1 APPE student for the 2015 Farmworker Family Health Program in Moultrie, GA. A total of 634 patients were seen, including 265 children and 369 farm workers over the 8 days of the program. Students filled over 500 prescriptions at the night camps and managed a 102-item formulary of prescription and over-the-counter drugs. Patients managed medical records, routed patients, maintained inventory, filled prescriptions, counseled patients, performed waived laboratory testing and worked in interprofessional teams with nurse practitioners. Additionally, over 300 pairs of boots were issued to farm workers.