

Rx News

A Monthly Newsletter
of The University of Georgia College of Pharmacy
May 2016

AWARDS/HONORS

Aaron Beedle, Assistant Professor

Served on the Research Advisory Committee 2 Grant Review Panel for the Muscular Dystrophy Association in Tucson, AZ. 5/20/16

Christopher Bland, Clinical Assistant Professor

5 Things to Do Before Taking the NAPLEX. Featured article at IDStewardship.com. May 25th, 2016. <https://www.idstewardship.com/5-things-taking-naplex/>

James Bruckner, Professor

Served for the state of California Department of Toxic Substances Control to review the scientific basis for their proposal to ban the sale of methylene chloride in commercial products, due to potential hazards from inhaling its vapors.

Served as a reviewer for the Centers for Disease Control for a public health assessment of exposure of the population in Midlothian, TX, to volatile organic solvents and heavy metals.

Elise Fortson, Administrative Associate II

Received first quarter STAR Award

Dexi Liu, Panoz Professor

Ad-hoc Reviewer, AAPS Foundation New Investigator Grant, May 13, 2016

Gurvinder Singh Rekhi, Academic Professional Associate

US Patent issued for "Controlled Release Combinations Comprising a Combination of Isosorbide Dinitrate and Hydralazine Hydrochloride". US Patent 9,308,177 B2, April 12, 2016. Inventors – Gurvinder Singh Rekhi, Richard Sidwell and Sharon Hamm.

Invited to attend a two-day forum on "Assuring Patient Safety: The Pharmaceutical Industry's Challenges and Steps toward Ensuring Drug Quality" organized by Waters Corporation – May 18-19, 2016, University of Maryland School of Pharmacy, Baltimore, Maryland.

Lilian Sattler, Clinical Assistant Professor

Selected to participate in the Ten-Day Seminar on the Epidemiology and Prevention of Cardiovascular Disease in Tahoe City, CA, July 24 - August 6, 2016. The seminar is sponsored by the American Heart and the American Stroke Associations, and selection for participation in this event is highly competitive. The overall goal of the conference is to enhance the ability of early career researchers, physicians, public health practitioners, and other health care professionals to pursue successful careers related to the epidemiology and prevention of heart disease and stroke, and the promotion of cardiovascular health through development of competencies related to grant writing, manuscript development, teaching, and clinical and public health practice.

Lakshman Segar, Associate Professor

Served as an ad hoc reviewer for the Journal of Cardiovascular Pharmacology, British Journal of Pharmacology, European Journal of Pharmacology, Molecular and Cellular Endocrinology and Nature Scientific Reports (Jan-May 2016)

Somanath Shenoy, Associate Professor

Harika Sabbineni, PhD candidate (Shenoy laboratory) received People's choice award (2nd prize) for the best poster presentation, Augusta VA Research Day on May 20.

GRANTS

Stephanie Phan, Clinical Assistant Professor

Received a \$1000 scholarship from the ACCP Education and Training Practice and Research Network to support my involvement in the Mentored Research Investigator Training Program

PUBLICATIONS

Dexi Liu, Panoz Professor

Yongjie Ma, Mingming Gao, and Dexi Liu (2016) Preventing High Fat Diet-induced Obesity and Improving Insulin Sensitivity through Neuregulin 4 Gene Transfer. *Scientific Reports*, 6, 26242; Doi: 10.1038/srep26242. (www.nature.com/articles/srep26242)

Yongjie Ma, Mingming Gao and Dexi Liu (2016) Alternating Diet as a Preventive and Therapeutic Intervention for High Fat Diet-induced Metabolic Disorder. *Scientific Reports*, 6, 26325; Doi: 10.1038/srep26325 (www.nature.com/articles/srep26325)

Yongjie Ma, Mingming Gao, and Dexi Liu (2016) N-acetylcysteine Protects Mice from High Fat Diet-induced Metabolic Disorders. *Pharm Res* Doi: 10.1007/s11095-016-1941-1.

Mingming Gao, Yongjie Ma, Mohammed Alsaggar and Dexi Liu (2016) Dual Outcomes of Rosiglitazone Treatment on Fatty Liver. *AAPS J*. Doi: 10.1208/s12248-016-9919-9.\

Merrill Norton, Clinical Associate Professor

Case Study

Norton M, Cho AY, Giebler C, Smith T, Walton K. Buprenorphine/naloxone addiction in a pharmacist as a result of migraine self-treatment. *Ment Health Clin* [Internet]. 2016;6(3):127-30. DOI: 10.9740/mhc.2016.05.127. doi: <http://dx.doi.org/10.9740/mhc.2016.05.127>

Somanath Shenoy, Associate Professor

Ami Patel, Harika Sabbineni, Andrea Clarke, P.R. Somanath (2016) Novel roles of Src in cancer cell epithelial-to-mesenchymal transition, vascular permeability, microinvasion and metastasis. *Life Sci*. doi:10.1016/j.lfs.2016.05.036 (In Press)

This review article, compiled by two PharmD students and a PhD candidate provides the most recent updates on the novel role of Src family of kinases in mediating epithelial to mesenchymal transition, modulation of tumor endothelial-barrier, transendothelial migration (microinvasion) and metastasis of cancer cells, and discuss the potential use of Src inhibitors in vascular normalization and for cancer therapy.

PRESENTATIONS

Azza El-Remessy, Associate Professor

Presentations made at the annual meeting for (ARVO) Association for Research on Vision and Ophthalmology in Seattle, WA: A.B. El-Remessy, M. Coucha, A.Y. Shanab, A. Vasdarjanova. Modulating expression of TXNIP prevents secondary damage and preserves visual function in a model of ischemia/reperfusion.

S.L. Elshaer, W.D. Hill and A.B. El-Remessy. Modulation of proNGF/P75NTR axis protects against ischemic retinopathy: possible contribution of mesenchymal stem cells.

R. Mohamed, A.Y. Shanab, S.L. Elshaer, H.U. Saragovi and A.B. El-Remessy. Modulation of proNGF/p75NTR pathway prevents microvascular degeneration in diabetic retinopathy.

Presented "Deletion of TXNIP Improves High-Fat Diet-impaired Vascular Recovery in Hind Limb Ischemic Model" at the annual retreat of Regenerative Engineering and Medicine in Georgia Tech

Anthony Hawkins, Clinical Assistant Professor

Presented a poster presentation entitled 'Impact of maintenance intravenous fluids on length of stay in critically ill adults' at the 2016 annual Critical Care Summit hosted at Emory University in Atlanta, GA. The poster won the Excellence in Research Award.

Merrill Norton, Clinical Associate Professor

Presented Medication Assisted Treatment Updates, Ohio Pharmacists Rehabilitation Organization Annual Meeting, Columbus, Ohio

Presented From Disgrace to Grace: Overcoming the Professional Shame of Addiction, Ohio Rehabilitation Organization Annual Meeting, Columbus, Ohio

Scott Pegan, Associate Professor

Daczkowski C, Dzimianski J, Mank NJ, Das P, Faaberg K, Pegan SD, "Impact of host interferon-stimulated-gene-product 15 biodiversity on the deISGylase function of coronavirus Papain-Like proteases", Keystone Symposia- Positive-Strand RNA Viruses, Austin, TX May 2, 2016

Lakshman Segar, Associate Professor

Segar and his graduate students, Islam Osman and Arwa Fairaq, attended "Arteriosclerosis, Thrombosis, and Vascular Biology/ Peripheral Vascular Disease scientific session in Nashville. Presented Osman , Segar L. PDGF versus fructose dysregulation of insulin receptor signaling in VSMCs: Pioglitazone-mediated sensitization of insulin receptor signaling is associated with diminished VSMC proliferation

Fairaq A, Segar L., an adiponectin receptor agonist inhibits p70S6kinase signaling in vascular smooth muscle cells: implications toward suppression of injury-induced neointima formation in mice.

Somanath Shenoy, Associate Professor

Invited to present a seminar entitled "UnPAKing a pro-metastatic prostate cancer pathway using IPA-3" at the Charlie Norwood VAMC Research Day on May 20.

Sandeep Artham, Graduate student (Shenoy Laboratory) presented a Data Blitz on "Deployment related lung diseases: What we know and how research can help" at the Charlie Norwood VAMC Research Day on May 20.

Following 3 poster presentations were made from the laboratory on VA Research Day

- a. Mechanisms regulating endothelial-to-mesenchymal transition (EndMT) by Harika Sabbineni
- b. FoxO inhibition ameliorates lipopolysaccharide-induced acute lung injury by Sandeep Artham
- c. Akt-mediated pathway regulating prostate cancer epithelial-to-mesenchymal transition (EMT) by Abdulrahman Alwhaibi

George Zheng, Associate Professor

Gave an invited seminar titled "Mechanisms and Inhibitors of Protein Arginine Methyltransferases" at Merck Research Laboratory, Boston, MA, on 5/17/2016.

OTHER NEWS

Upcoming Student Events

- White Coat - August 13, 2016
- Visitor's Day - August 27, 2016
- Career Day - Sept. 29, 2016
- Pinning Ceremony - April 11, 2017
- Senior Banquet - April 28, 2017
- Commencement - April 29, 2017

Upcoming Faculty/Alumni Events

- 2016 Alumni Dinner, Hilton Head, June 16
- 2016 Howard C. Ansel Symposium - August 5
- STaR Conference - Sept. 22-23

