



Texas A&M Rangel College of Pharmacy Report to the Texas Pharmacy Congress: May 9-10, 2017

COLLEGE NEWS

TEXAS A&M UNIVERSITY JOINS NIPTE as its SEVENTEENTH MEMBER

The **National Institute for Pharmaceutical Technology and Education (NIPTE)** Board has conferred official membership by the **Texas A&M Irma Lerma Rangel College of Pharmacy**. NIPTE, Inc. is a not-for-profit organization of sixteen organizations dedicated to fundamental research and education in pharmaceutical product development and manufacturing. The goal of NIPTE is to increase science and engineering-based understanding of this area such that novel state-of-the-art technologies can be developed and science-based regulations can be implemented.



PRESIDENTIAL IMPACT FELLOWSHIP

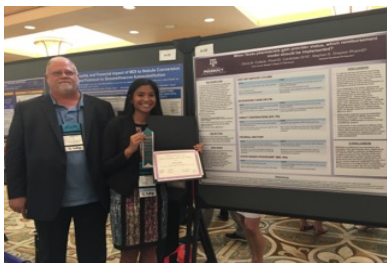
Dr. Mansoor Khan, Professor and Vice Dean of the College Station Campus, has been named as a **2017 Presidential Impact Fellow** to honor and recognize his continued development and excellence. As an honoree, Dr. Khan will receive the lifelong title of Presidential Impact Fellow. The Fellowship is intended to help each honoree elevate their transformational learning, discovery, innovation, and impact.

STUDENT NEWS

STUDENT CHAPTER RECEIVES NATIONAL AWARD

The **Gamma Omega Chapter of the Rho Chi Honor Society** of the Texas A&M Rangel College of Pharmacy has been selected for the Chapter Achievement Award for Region 6, and the Chapter was recognized at the 2017 Annual Meeting of the Rho Chi Society on Sunday, March 26 in San Francisco, California, in conjunction with the American Pharmacists Association Annual Meeting. The Chapter Achievement Award recognizes the full scope of chapter activities as documented in the annual report.

TSHP ANNUAL MEETING



Thirteen students from the Texas A&M Rangel College of Pharmacy participated in the clinical skills, disease state management, and poster competitions at the Texas Society of Health-System Pharmacists (TSHP) Annual Seminar in Galveston on April 28, 2017. **Kevin Tran (P2)** and **Lois Kim (P2)** placed first in the student section of the 2017 TSHP Research & Education Foundation Poster Competition. **Olivia Collado (P3)** received honorable mention in the practitioner education category. **Sasha Cruz (P4)** was the recipient of the TSHP Research &

Education Foundation Celso and Matiana M. Cuéllar Sr. Scholarship and the Central Texas Society of Health-System Pharmacists Scholarship.

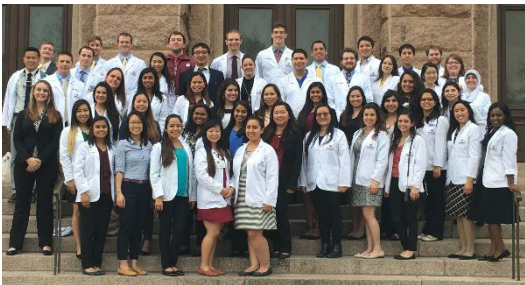
COLLEGE-WIDE PARTICIPATION IN DISASTER DAY



On March 30, 2017, nearly 100 members of the Texas A&M Rangel College of Pharmacy participated in the **Texas A&M Health Science Center Disaster Day** mass casualty simulation. The 2017 mock disaster scenario was a Category 5 hurricane that made landfall in the Houston metropolitan area, which led to severe flooding across the Brazos Valley.

This also marked the first year all four classes, P1 through P4, of the Texas A&M Rangel College of Pharmacy were represented at Disaster Day. Students, faculty, and residents provided over 500 volunteer and service learning hours in various roles including simulated patients, dispensing pharmacists, clinical pharmacists, clinical observers and event planning. The coordinators for the Rangel College of Pharmacy were Michelle Yazdchi, Matthew Ward, Janson Rector, and Dr. Bree Watzak. Please follow the link for *The Eagle* press release: [Disaster exercise helps Texas A&M medical students develop skills for mass casualty scenarios.](#)

TEXAS PHARMACY DAY AT THE CAPITOL



Over **50 students from the Texas A&M Rangel College of Pharmacy** attended Texas Pharmacy Day at the Capitol in Austin on Tuesday, February 28, 2017. During their visit, students met with their legislative representatives to discuss proposed bills and regulations affecting pharmacy and were able to discuss the impact of pharmacists on health care. The event was organized by the Texas Pharmacy Association.

RESIDENCY MATCHES FOR 2017

Three students from the **Texas A&M Rangel College of Pharmacy Class of 2016** have been matched for PGY2 residencies, and 14 students, which represents 18%, from the **Class of 2017** have been matched for PGY1 residencies. Sixty-seven percent are Texas residencies and 33% percent are out-of-state residencies in Colorado, Iowa, Oklahoma, Florida, and Indiana.

SCHOLARSHIP RECIPIENTS

The Awards, Honors and Scholarships Committee of the Texas A&M Rangel College of Pharmacy selected the following students to receive scholarships for the Spring 2017 semester:

- **Estill Foundation Scholarship** – Melynda Alvarez (P4), Sasha Cruz (P4), DeAnna Le (P4), Monica Partida (P4), Monica Pham (P4), Whitney Strong (P4), Jennifer Tran (P4), Edward Uzowulu (P4), Khoa Vo (P4), Shannon White (P4).
- **Dr. James Robertson, Jr. Memorial Scholarship** – Tanner Dodd (P4), Monica Pham (P4), Jennifer Tran (P4)
- **CVS Health Foundation Pharmacy School Grants Program Scholarship** – Kassandra Cervera (P3), Olivia Collado (P3), Sasha Cruz (P4), Josue Garcia (P4), Juan Garcia (P3), Lorena Hernandez (P4), Joseph Nnani (P1), Ifeyinwa Nwolisa (P1), Monica Partida (P4), Dealer Rockwell (P2), Hien Vo (P3)
- **Dallas Area Pharmacy Association (DAPA) Scholarship** – Abisola Tairu (P3)

Lois Kim (P2) has received and accepted a summer pharmacy internship offer at the Johns Hopkins Hospital in Baltimore, Maryland. After an application and an interview process, she was offered an internship in the Pediatrics Inpatient Area and will be completing her internship from June 5 to August 4, 2017. As one of the highly ranked and well-established hospitals in the country, Johns Hopkins offers the Pharmacy Internship Program, which aims to provide the selected pharmacy students an insight into hospital and health-system pharmacy practice.

FACULTY NEWS

Andrea Luce, Pharm.D., Associate Professor of Pharmacy Practice, has been appointed as Vice Chair of Pharmacy Practice for Houston, effective May 1, 2017.

Juan Castro, M.D., Assistant Professor of Pharmacy Practice, has been appointed Interim Vice Chair of Pharmacy Practice for Kingsville, effective June 1, 2017.

PROFESSIONAL APPOINTMENTS

Prof. John Bowman has been re-appointment to the Regional Health Awareness Board was approved by Nueces County, San Patricio County, and the City of Corpus Christi.

Dr. Michael J. Miller, 3/2017 to Present -Guest Editor, Research in Social and Administrative Pharmacy, Special Themed Issue on Interventional Approaches to Health Literacy in Pharmacy Practice and Education.

Dr. Michael J. Miller, 4/2017 Invited Reviewer, ASHP Foundation Pharmacy Practice Advancement Demonstration Grant 2016 (GRPM).

PRESENTATIONS

Watzak B, Zemanek K. TeamSTEPPS fundamentals. Faculty Development Session for the College of Dentistry. April 12 and 13th, 2017. Dallas, Texas.

Gill A, West C, **Watzak B**, Graham L. Curriculum Sharing and Implementation: Don't reinvent the wheel. Small Group Discussion accepted for 2017 Joint SGEA/SGSA/SOSR Annual meeting in Charlottesville, VA on 4/22/17.

Das JK, **Mishra J, Kumar N**. Regulation of tyrosine phosphorylation mediated association of β -catenin with Janus kinase 3. Int. Symposium on Frontiers in Molecular Diagnostics and Pathology of Human Diseases, 6th Annual Conference of MPAI, Feb 10-11, 2017Bhubaneshwar, India.

Kumar P, **Mishra J, Kumar N**. Role of Janus Kinase 3 in Obesity and diabetes associated neuroinflammation/neurodegeneration. Int. Symposium on Frontiers in Molecular Diagnostics and Pathology of Human Diseases, 6th Annual Conference of MPAI, Feb 10-11, 2017Bhubaneshwar, India.

Mishra J, and **Kumar N**. Role of breast cancer resistance protein in obesity associated chronic low grade inflammation. EB 2017, Chicago, IL; April 22-26, 2017, The FASEB Journal.

Kumar N. Kumar P, **Mishra J**. Chronic Low-grade Inflammation in Obesity and Diabetes associated Colorectal Cancer Development. EB 2017, Chicago, IL; April 22-26, 2017, The FASEB Journal.

Gordon, A., **Deba F.**, Pandhare, A., Blanton, M. P., Cohen, J. B., **Hamouda A.K.** (2017) Photoaffinity Labeling of $\alpha\beta 2$ Nicotinic Acetylcholine Receptor using [3H]-Labeled Positive Allosteric Modulators. Annual meeting of the Biophysical Society, New Orleans, LA.

Elmageed, Zakaria A. Invited Speaker: Texas A&M College of Medicine, College Station, held on Thursday April, 20, 2017. Title: New insights into the role of Exosomes in prostate cancer progression.

Bowman, J., Joseph, M. Invited Speakers: Regional Stakeholder Symposium on Prescription Drug Abuse, Del Mar College, Corpus Christi, held on Friday, March 3, 2017. Title: Medications Are Safe....Right?

PUBLICATIONS

Miller, H, Panahi, L, Tapia D, Tran A, **Bowman JD.** Loperamide misuse and abuse. J Am Pharm Assoc 2017; 57(2S):S45-S50.

Ali, Hamed Ismail, Identification of potent virtual leads and ADME prediction of isoxazolidine podophyllotoxin derivatives as topoisomerase II and tubulin inhibitors MM Bkhaitan, AZ Mirza, H Shamshad, HI Ali* J. Mol. Graph. Model; 73, 74-93, 2017.

Ali, Hamed Ismail, Part I: Design, synthesis and biological evaluation of novel pyrazole-benzimidazole conjugates as checkpoint kinase 2 (Chk2) inhibitors with studying their activities alone and in combination with genotoxic drugs Shadia A Galal, Ahmed S Abdelsamie, Samia A Shouman, Yasmin M Attia, Hamed I Ali, Ashraf Tabll, Reem El-Shenawy, Yasmine S El Abd, Mamdouh M Ali, Abeer E Mahmoud, Abeer H Abdel-Halim, Amal A Fyiad, Adel S Girgis, Hoda I El-Diwani Journal European Journal of Medicinal Chemistry; 134, 392–405, 2017.

Ali, Hamed Ismail, Synthesis and molecular docking studies of new furochromone derivatives as p38 α MAPK inhibitors targeting human breast cancer MCF-7 cells KM Amin, YM Syam, MM Anwar, HI Ali, TM Abdel-Ghani, AM Serry Bioorganic & Medicinal Chemistry; 25, 2423–2436, 2017.

Weech-Maldonado R, **Miller MJ,** Lord JC. The Relationships among Socio-Demographics, Perceived Health, and Happiness. Applied Research in Quality of Life. 3/31/2017. doi 10.1007/s11482-017-9517-8.

Q Zhou, Y Hou, L Zhang, **J Wang,** Y Qiao, S Guo, L Fan, T Yang, **L Zhu,** H Wu, Dual-pH Sensitive Charge-reversal Nanocomplex for Tumor-targeted Drug Delivery with Enhanced Anticancer Activity, Theranostics, 2017, 7(7), 1806-1819.

Khurana, L.; Fu, B.; Duddupudi, A. L.; Liao, Y.-H.; Immadi, S. S.; Kendall, D. A.; **Lu, D.** Pyrimidinyl Biphenylureas: Identification of New Lead Compounds as Allosteric Modulators of the Cannabinoid Receptor CB1. *Journal of Medicinal Chemistry* 2017, 60, 1089-1104.

R. Ganugula, M. Arora, P. Saini, M. Guada, and M. **N.V. Ravi Kumar.** Next generation precision-polyesters enabling optimization of ligand-receptor stoichiometry for modular drug delivery. J. Am. Chem. Soc. (In Press).

R. Ganugula, M. Arora, P. Jaisamut, R. Wiwattanapatapee, H. G. Jørgensen, V. P. Venkatpurwar, B. Zhou, A. R. Hoffmann, S. Guo, and M. **N. V. Ravi Kumar.** Nano-curcumin safely prevents streptozotocin-induced inflammation and apoptosis in pancreatic β -cells for effective management of type 1 diabetes mellitus Br. J. Pharmacol. (In Press).

R. Ganugula, M. Arora, **M. Guada**, P. Saini and M. **N.V. Ravi Kumar**. Non-competitive active transport exploiting intestinal transferrin receptors for oral delivery of proteins by tunable nano-platform. *ACS Macro Lett.* 6: 161-164, 2017 (Cover article).

Book Chapters

Johnson, S, Galindo, S, Janotha, BL, **Farris C, Bowman J, Demps, E**, Boyle, P, Vaughn, M, Hur, JW, Russel, J. Flipping health sciences. In: Santos Green, L, Banas, JR, Perkins, RA, editors. The flipped college classroom: conceptualized and re-conceptualized. Cham, Switzerland: Springer; 2017. p. 187-205.

Peer-Reviewed Journal Articles

Gazova Z., Soukup O., Sepsova V., Siposova K., Drtinova L., Jost P., Spilovska K., Korabecny J., Nepovimova E., Fedunova D., Horak M., Kaniakova M., **Wang Z.J., Hamouda A. K.**, Kuca K. (2017) Multi-target-directed therapeutic potential of 7-methoxytacrine-adamantylamine heterodimers in the Alzheimer's disease treatment. *BBA Molecular Basis of Disease*.

Wang Z.J., Deba F., Mohamed T. S., Chiara D.C., **Ramos K., Hamouda A. K.** (2017) Unraveling amino acid residues critical for allosteric potentiation of $(\alpha 4)3(\beta 2)2$ -type nicotinic acetylcholine receptor responses. *Journal of Biological Chemistry*.

GRANTS

Hamed Ismail Ali, Grant application for the Welch Foundation: Computer-Aided Discovery, Synthesis, and Biological Screening of Selective Inhibitors Against Wild and Gatekeeper Mutant Kinases in Cancer Cells; Applied on January 31, 2017.

NEW HIRES

Faculty

Jose Hernandez, Ph.D., Assistant Professor of Pharmaceutical Sciences, College Station, Texas.

Michael Miller, R. Ph., DrPH, FAPhA, Associate Professor of Pharmaceutical Sciences, College Station, Texas.

Staff

Zhixing Wu, Ph.D., Postdoctoral Research Associate, Pharmaceutical Sciences Department, Kingsville, Texas.