



TEXAS A&M UNIVERSITY

Irma Lerma Rangel
College of Pharmacy

Report to the Texas Pharmacy Congress

February 2019

COLLEGE NEWS



Rho Chi Gamma Omega Chapter Selected as Finalist

The Gamma Omega Chapter of the Rho Chi Society at the Texas A&M Rangel College of Pharmacy has been selected as a finalist for the Chapter Achievement Award. The winning chapter will be announced and recognized at the Annual Meeting of the Rho Chi Society in Seattle, Washington, on Sunday, March 24, 2019, during the APhA Annual Meeting.

In its 10-year history, the Gamma Omega chapter received the Most Improved Chapter Award in 2014, the Chapter Excellence Award in 2016, and the Chapter Achievement Award for Region 6 in 2017.

Sixth Annual Ties and Tennis Shoes Memorial Fun Run

Plans and preparations are in full swing for the sixth annual Ties & Tennis Shoes Memorial Fun Run benefitting the Dr. James Robertson Jr. Make a Difference Scholarship. The run will be held on the Kingsville campus on Friday, February 22, 2019, beginning at 5 p.m. You are invited to register for this family friendly event onsite.

This student-led tradition has broadened its mission to support student scholarships and educational programming. The net proceeds raised benefit the Dr. James Robertson Jr. Make a Difference Scholarship and the endowed Dr. James Robertson Jr. Memorial Scholarship. Students utilize these funds to further their pharmacy education.



Students, Faculty & Staff Compete in Penny Wars to Make a Difference

Congratulations **Class of 2020** as the winners of the 2019 Penny Wars! Rangel College of Pharmacy students, faculty, and staff competed in the annual fundraising effort from on January 14-31 to raise funds for the Dr. James Robertson Jr. Make a Difference Award. The award allows students and student organizations to use funds to make a difference in the lives of patients or students through a college event, or in the community. Students raised more than \$2,000 during the event.

Texas A&M Rangel College of Pharmacy Focuses on Diversity

Diversity and inclusion are at the heart of the college's ethos, culture and climate, as reflected in the Aggie core value of Respect. The college continues to support activities, projects, and training that enhance the culture of diversity and inclusion and creates opportunities for students, faculty, and staff to interact with each other and participating communities.



For its diversity and inclusion efforts, the college has received grant funding from Walgreens Co. since 2009 and also received funding from CVS Health for scholarship funds. Daniel Quiñones, Director of Pharmacy and Retail Services and Julie Mitchell, R.Ph., Healthcare Supervisor with Walgreens, presented Dean Reddy with a donation of \$12,000 in January to support the efforts of the college in increasing diversity and inclusion among student pharmacists (photo at left).

2019 Spring Intern Recruitment Fair Event

Texas A&M Rangel College of Pharmacy hosted its **Spring Intern Recruitment Fair on February 5-6 on the Kingsville campus and February 12 on the College Station campus**, students interviewed for summer internships. Participating pharmacies included Brookshire Brothers, CVS Health, H-E-B, and Kroger. More than 80 students participated in the fair.

11th Annual Disaster Day Interprofessional Emergency Response Simulation

On Friday, February 15, students, faculty, and staff of the Texas A&M Rangel College of Pharmacy participated in the **Texas A&M Health Science Center Disaster Day**, an annual, day-long mock mass casualty simulation in College Station to prepare students with critical life-saving skills required in disaster situations.

This year, students reacted to mass "injuries" resulting from a chemical explosion at a biocontainment facility, engaging in triage at the disaster site, patient care at a mock field hospital and disaster management and oversight in Disaster City's Emergency Operations Training Center where nearly 600 students from the Texas A&M Colleges of Medicine, Nursing, Pharmacy, Veterinary Medicine & Biomedical Sciences, and the School of Public Health engaged in triage at the disaster site. Read more about this event in [The Eagle](#).





ASPIR²E Students Host Pharmacy Poster Fair

Texas A&M University-Kingsville (TAMUK) first-year pre-pharmacy undergraduate students participated in the Texas A&M Irma Lerma Rangel College of Pharmacy's Pre-Pharmacy Introductory Program Pharmacy Profession Exploration Poster Fair on November 15 in the College of Pharmacy lobby.

PIIP is the first track in **ASPIR²E** (Aggie Student Pharmacists Initiative for Recruitment|Retention and Education), a

Texas A&M Rangel College of Pharmacy project funded by the Texas Higher Education Coordinating Board's Minority Health Research and Education Grant Program. As part of PPIP, more than 40 first-year TAMUK pre-pharmacy students are participating in a lecture series throughout the fall 2018 semester hosted by the Rangel College of Pharmacy. The poster fair showcases the various pharmacy professions the PPIP students learned about in fall 2018. Students worked in small groups and were guided by their peer mentors.

Texas A&M University Leads in Curbing National Opioid Epidemic

Texas A&M University Health Science Center is the first health science center in the United States to commit to train every health professions student to administer a reversal agent to opioid overdose victims, and save lives. Through the intensive 90-minute Opioid Overdose Education and Naloxone Administration (OENA) program, the institution is training every Texas A&M University Health Science Center student in the state—more than 5,000 students from the colleges of dentistry, medicine, nursing, pharmacy and public health—to recognize an opioid overdose and administer naloxone, a drug that can be given as a nasal spray or injection to reverse deadly effects of opioid overdoses.

The Health Science Center also has joined with the American Medical Association to address the problem on a national level. As part of that effort, Joy Alonzo, MEE, PharmD, clinical assistant professor at the Texas A&M Rangel College of Pharmacy (center, pictured above), and Caitlyn Iles Clifton, a College of Pharmacy student in the Class of 2020, were [featured in a video](#) announcing the launch. Alonzo, who is leading the naloxone training effort, and Health Science Center students have been featured in a number of [news reports](#) across the state highlighting the collaborative approach, including the training of hundreds of first responders across Texas in identifying opioid issues and helping save lives. The Texas A&M Health Science Center Opioid Task Force is dedicated to decreasing these alarming mortality rates, partly through expanding access to the opioid overdose reversal agent known as naloxone, or Narcan. The Opioid Task Force, in collaboration with the Brazos Valley Council of Governments, facilitated naloxone training sessions for law enforcement and emergency service departments from seven counties across the Brazos Valley.



Student and Faculty Member Receive Degrees

Kevin Chan, a P3 student, recently graduated from Texas A&M University-Kingsville with a Master of Business Administration (MBA) degree with a Certificate in Health Service Administration in December 2018.

Joan Everett-Houser, PharmD, PA-C, instructional assistant professor of pharmacy practice, graduated with a Doctor of Education in Bilingual Education during the same ceremony as Mr. Chan.



AphA-ASP Hosts Operation Diabetes

The APHA-Academy of Student Pharmacists chapter of the Texas A&M University Irma Lerma Rangel College of Pharmacy invited faculty and staff to an inaugural health complimentary screening event.

Co-Chairs of the Operation Diabetes Committee, Ms. Lisa Nguyen and Ms. Hannah Poquiz, shared that the event is also a service-learning opportunity for students to provide blood pressure, blood glucose, cholesterol measurement screenings and patient education on lifestyle modifications, as well as diabetic foot care. The complimentary screenings were held November 29 in the College of Pharmacy lobby on the Kingsville campus.

AMCP Chapter Conducts Local Competition

The Texas A&M University Irma Lerma Rangel College of Pharmacy student pharmacist chapter of the Academy of Managed Care Pharmacy (AMCP) organization conducted its third local competition on both campuses on January 23. The College of Pharmacy started participating in this national competition in 2016, the year the chapter was founded. The local competition simulates the national process; judges include faculty members and actively practicing managed care professionals who do this activity for a living. Based on judges' feedback, 2019 is our best year yet. Student teams incorporate judges' feedback into their portfolio and submit to national for a spot in the final competition.



2019 Inductees of Phi Lambda Sigma Gamma Mu Chapter

Class of 2021 - Rashid Abdoh, Chidinma Ahiahar, Bailey Dendy, Sarah Edwards, Paul Felts, Patrick Funderburk, Cody Kibbee, Julian Lopez, Heather McCann, Jennifer Meza, Jacqueline Seldenrust, Shreeya Upadhyay

Class of 2020 - Katherine Bennett, Lee Dunn, Brianna Garza, Lorena Gonzalez, Tzuchen Jou, Jesna Kurian, Lyna Le, Sarah Mendez, Robynne Monsevalles, Hannah Poquiz, Sheila Prabhu, Ruben Rocha, Domingo Rodriguez, Ryan Spencer, Jennifer Strickland, Taylor Tomasino, Shannon Walter

The purpose of **Phi Lambda Sigma** is to promote the development of leadership qualities, especially among pharmacy students. By peer recognition, the Society encourages participation in all pharmacy activities. Phi Lambda Sigma honors leadership in the pharmacy profession.

2019 Inductees of Rho Chi Society Gamma Omega Chapter

Class of 2021 – Rashid Abdoh, Chidinma Ahiahar, Clinton Barnes, Fatema Bodalbhai, Cole Cadena, Dasha Cathey, Jacob Colbath, Toney Duong, Paul Felts, Brandon Garza, Julio Guerra, Payton Hightower, Marium afri, Li Liu, Vy Nguyen, Chris Omoregie, Emily Pena, Phuong Phan, Shireen Rasheed, Alexandra Ritenour, Jacob Sellers, Heting Zhang

The **Rho Chi Society** seeks to advance pharmacy through sustained intellectual leadership. As the academic honor society in pharmacy, the Rho Chi Society encourages and recognizes intellectual achievement, fosters collaboration, promotes high ethical standards, and contributes to the development of intellectual leaders.

A joint, new member induction ceremony for both Phi Lambda Sigma and Rho Chi Society is scheduled for April 25, 2019, in Kingsville, Texas. Congratulations to the 2019 inductees!

FACULTY AND STAFF NEWS

New Faculty and Staff



Anne-Cecile Mingle, PharmD - Clinical Assistant Professor in Pharmacy Practice. Her clinical site is at the Coastal Bend Health Education Center. Dr. Mingle earned her Master of Science in Education at Concordia University Wisconsin, Mequon, Wisconsin, and her PharmD at Texas A&M Rangel College of Pharmacy in 2012. Dr. Mingle most recently completed a 24-Month PGY-1 Practice and Academic Leadership Residency at Concordia University Wisconsin School of Pharmacy.



Will Leschper, BA - Marketing and Communication Director. He earned his Bachelor of Arts degree in Mass Communication from West Texas A&M University in Canyon. Will brings more than 10 years of professional experience in the communications and marketing industry. He most recently served as a communication specialist for the Driscoll Health Plan and as a marketing development specialist for the CHRISTUS Spohn Foundation.



Changsun Kang, PhD - Postdoctoral Research Associate, Pharmaceutical Sciences, College Station campus, Dr. Dongin Kim's Lab. The most recent project from that laboratory is on metallic and biological nanoparticles and their therapeutic application.



Eman Mohamed, PhD - Postdoctoral Research Associate, Pharmaceutical Sciences, College Station campus, Dr. Ziyaur Rahman's Lab. Dr. Mohamed is currently working on drug quality attributes and examining the impact of different factors on the drug quality and the formulation of 3D-printed tablets.

Professional Appointments

Narendra Kumar, PhD is appointed as member of the study section on "Impact of anonymization on NIH peer review outcomes" by the National Institutes of Health (NIH) Center for Scientific Review (CSR).

Jayshree Mishra, PhD; has been appointed as the Editor in chief for the *Madridge Journal of Analytical Sciences and Instrumentation*.

Awards and Honors

Zakaria Elmageed, PhD received a Certificate of Appreciation by the 2018 Emperor Science Award Program Mentor. Stand Up To Cancer, PBS LearningMedia, USA.

Presentations

Monika Schechinger, **Mahua Choudhury**, Cote. Surface Enhanced Raman Spectroscopy (SERS) and Paper Fluidics for Preeclampsia Biomarker Quantification. SCIX 2018, Atlanta from October 21-26, 2018.

Mahua Choudhury. Environment, Epigenetics, and Endocrinology. University of Sydney, Nov 15, 2018.

Mahua Choudhury. Environment, Epigenetics, and Endocrinology. University of New South Wales-Sydney, Nov 14, 2018.

Dumlao S, Payne S, Benny H, He Y, **Hernández-Muñoz JJ**, Mulcaby A. Whoops! Implementing a Near Miss Database in the TMHSC CLRC. Best IPER Poster Presentation-Faculty/Staff. Interprofessional Education & Research Meeting, at the Texas A&M Health Sciences Center. November 1, 2018.

Ramos-Gonzalez S, Raymond-Biaggi C, Rivera-Ruiz K, Rodriguez-Rivera A, Rodriguez-Nazario I, **Hernández-Muñoz JJ**. Pharmacists' Impact on Preventable Hospital Readmission Rates of High-Risk Patients by offering Transition of Care Services upon Discharge in a Community Hospital. Poster presentation at the American Public Health Annual Meeting & Exposition, Nashville, TN. March 17, 2018.

Pharmacoeconomic evaluation of naloxone distribution for the prevention of opioid overdose fatalities: a systematic review was accepted for presentation at the 2018 ASHP Midyear Clinical Meeting in Anaheim, Calif., on December 2-6, 2018. Authors: Toney Duong (student), Anh Thu Tran (student) **Lixian Zhong**.

Budget Impact Analysis of Niraparib and Olaparib as Maintenance Treatment of Platinum-Sensitive, Recurrent Ovarian Cancer in the US was accepted for presentation at the 2018 ASHP Midyear Clinical Meeting in Anaheim, Calif., on December 2-6, 2018. Authors: Lei Wu (student) & **Lixian Zhong**.

Poster Presentations

Hutchison RW, Lin S, **Zhong L**, Pekarek KJ, McMaughan D (2018) Assessing Learning Needs in Chronic Pain Management Jose Hernandez - Curriculum, 4th Annual Interprofessional Education and Research Symposium (IPER 4), November 1, 2018.

Publications

Ali HEA, Lung PY, Sholl AB, Gad SA, Bustamante JJ, Ali HI, Rhim JS, Deep G, Zhang J, **Abd Elmageed ZY**. [Dysregulated gene expression predicts tumor aggressiveness in African-American prostate cancer patients](#). *Sci Rep*. 2018 Nov 5;8(1):16335. doi: 10.1038/s41598-018-34637-8.

Panigrahi GK, Praharaj PP, Kittaka H, Mridha AR, Black OM, Singh R, Mercer R, van Bokhoven A, Torkko KC, Agarwal C, Agarwal R, **Abd Elmageed ZY**, Yadav H, Mishra SK, Deep G. [Exosome proteomic analyses identify inflammatory phenotype and novel biomarkers in African American prostate cancer patients](#). *Cancer Med*. 2019 Jan 8. doi: 10.1002/cam4.1885. [Epub ahead of print].

Ali HEA, Emam AA, Ahmed AZ, Srour R, Tabashy R, El-Desouky ED, **Zakaria Y. Abd Elmageed**, Abdel-Wahab AA Circulating miR-26a, miR-106b, miR-107 and miR-133b stratify hepatocellular carcinoma patients according to their response to transarterial chemoembolization. *Clinical Biochemistry*, 2019: *In Press*

Nieves-Pérez BF, Guerrero-De Hostos S, Frontera-Hernández MI, Cruz-González I, **Hernandez-Munoz JJ**. Potentially Inappropriate Medication Use among Institutionalized Older Adults at Nursing Homes in Puerto Rico. *The Consultant Pharmacy Journal*. 2018, 33(11): 619-636

Melin K, Conte-Schmidt N, Martinez-Arroyo K, Rosa-Perez K, Soto-Aviles AE, **Hernandez-Munoz JJ**. Knowledge and Perceptions of E-cigarettes and the Motivations for their Use: Talking to Smokers (E-cigarettes and/or Conventional Cigarettes) and Non-smokers in Puerto Rico. *Puerto Rico Health Sciences Journal*. 2018, 37(3): 148-154

Immadi, S. S.; Dopart, R.; Wu, Z.; Fu, B.; Kendall, D. A.; **Lu, D***. Exploring 6-Azaindole and 7-Azaindole Rings for Developing Cannabinoid Receptor 1 Allosteric Modulators. *Cannabis and cannabinoid research* 2018, 3, 252-258.

Fu, B.; Wang, X.; Li, Y.; Hu, J.; **Lu, D.**; Li, W.; Zheng, K.; Qin, C. Carbohydrate-conjugated 4-(1, 3, 2 dithiarsolan-2-yl) aniline as a cytotoxic agent against colorectal cancer. *RSC Advances* 2018, 8, 40760-40764.

Desselle SP, Amin MEK, Aslani P, Chen AMH, Dawoud D, **Miller MJ**, Norgaard LS. Moving the needle—what does RSAP look for and what does it aim to do? *Res Social Adm Pharm.* 2019 Jan;15(1):1-2. <https://doi.org/10.1016/j.sapharm.2018.10.026>. Epub 2018 Oct 22.

Andrew Ramirez (P3) published an article in “The Lone Star Pharmacist”, a publication of the Texas Society of Health-System Pharmacists. Ramirez, A. A. (2018, December). Public Health Is Our Health. *The Lone Star Pharmacist*, 4(2), 4-4.

Wang F, Zhou S, Qi D, Xiang SH, Wong ET, Wang X, Fonkem E, Hsieh TC, Yang J, Kirmani B, Shabb JB, Wu JM, Wu M, Huang JH, Yu WH, **Wu E.** Nucleolin is a functional binding protein for salinomycin in neuroblastoma stem cells. *J Am Chem Soc.* 2019 Jan 28. doi: 10.1021/jacs.8b12872. [Epub ahead of print]

Li J, Zhang H, Jiang H, Guo X, Zhang Y, Qi D, Guan J, Liu Z, **Wu E**, Luo S. Diagnostic Performance of Digital Breast Tomosynthesis for Breast Suspicious Calcifications From Various Populations: A Comparison With Full-field Digital Mammography. *Comput Struct Biotechnol J.* 2018 Dec 20;17:82-89. doi: 10.1016/j.csbj.2018.12.004. eCollection 2019.

Qi D, Guan J, **Wu E.** Virus infection-induced host mRNA degradation and potential application of live cell imaging. *Radiology of Infectious Diseases.* Volume 5, Issue 4, December 2018, Pages 143-147. doi.org/10.1016/j.jrid.2018.12.002.

Wu L, Zhong L* Budget impact analysis of niraparib and olaparib for maintenance treatment of platinum-sensitive, recurrent ovarian cancer in the US. *J Med Econ.* 2019 Feb;22(2):187-195. doi: 10.1080/13696998.2018.1557199. *Corresponding author.

Zhong L*, Tran AT, Tomasino T, Nugent E, Smith JA. Cost-effectiveness of niraparib and olaparib as maintenance therapy for patients with platinum sensitive, recurrent ovarian cancer *Journal of Managed Care & Specialty Pharmacy.* 2018 Dec;24(12):1219-1228. doi: 10.18553/jmcp.2018.24.12.1219. *Corresponding author.

Grant reviewer, Lin Zhu, NIH Special Emphasis Panel ZRG1 BST-F (80) for Bioengineering Sciences and Technologies (R15)

Grants

Discovery Foundation-A sensitive epigenetic tool for preeclampsia. Investigator-**Choudhury**, Cote and Bayless

T3-The Sexually Dimorphic Control Of Local Androgens On White Adipose Tissue Lipid Metabolism. Investigator- **Choudhury**, Newell-fugate, Stephen Smith

PESCA-Improving Vascular Smooth Muscle Function in the Elderly with E2- Exercise and pigenetics. Investigator-Andrea Trache, **Choudhury**, Woodman. Statins Utilization among Diabetic Beneficiaries of a Commercial Health Insurance: PBM's Interventions to Promote Adherence and Compliance with Lipid Management Recommendations. Source: PharmPix Incorporated: Grant number M1900583: Grant assignment \$15,000/year: **Principal Investigator-Jose J. Hernandez-Muñoz**: Year 2018.

Narendra Kumar Ph.D. received Artificial Intelligence Molecular Simulation (AIMS) Award by Atomwise Inc. San Francisco CA., for the project titled "Identification of Small Molecule Inhibitors of JAK3".

Jayshree Mishra PhD and **Narendra Kumar PhD** received the Texas A&M University PESCA Grant Award for the project "Development of a Novel Bio-marker for the Early Detection of Colorectal Cancer" \$18,000

Investigators: **Nutan, Mohammad T** (PI)- Pharmacy, Nghiem, Peter P- Veterinary Medicine and Biomedical Sciences, and Bagher, Pooneh- Medicine, Title: Delivery of CRISPR/Cas-9 using cationic liposome, Texas A&M Triads for Transformation (T3) program, \$30,000, 2019-2020.