

## TEXAS A&M RANGEL COLLEGE OF PHARMACY REPORT TO THE TEXAS PHARMACY CONGRESS, NOVEMBER 2017

### COLLEGE NEWS

#### CLASS OF 2020 WHITE COAT CEREMONIES

The White Coat Ceremonies for the campuses of Kingsville and College Station were held September 16 and September 23, respectively. Each member of the Class of 2020 donned their white coat, a symbol of clinical service and patient care, and pledged a personal commitment to work to ensure the welfare of individual patients and the welfare of the South Texas and College Station communities.



**Dr. Lawrence 'LB' Brown** (pictured left), who served as the keynote speaker for the Kingsville White Coat Ceremony, is a Professor and Associate Dean of Student & Academic Affairs Chapman University in Orange, California, where he is responsible for admissions, curriculum, and progression of students.

**Dr. John Clay Kirtley** (pictured right), who served as the keynote speaker for the College Station White Coat Ceremony, is Vice President for the Accreditation Council for Pharmacy Education and Executive Director for the Arkansas State Board of Pharmacy in Little Rock where he is responsible for the overall management of the agency and recommends policy, procedure, and rule changes.



## GRADUATE PROGRAM IN PHARMACEUTICAL SCIENCES

The Texas A&M University System Board of Regents unanimously approved the graduate program in pharmaceutical sciences. The program will be implemented in fall 2018 upon receiving approval and endorsement from the Texas Higher Education Coordinating Board.

## FALL CAREER EXPO & RESIDENCY SHOWCASE

Texas A&M Rangel College of Pharmacy hosted its Career Expo and Residency Showcase on October 24-25. It included student interviews for fourth-year students to interact and network with corporate sponsors for possible post-graduation employment and resident opportunities. This year, 83 fourth-year pharmacy students (74%) from the Kingsville and College Station campuses were interviewed with an average of 2.75 interviews per student.

## DEAN REDDY DELIVERS THE ANNUAL STATE OF THE COLLEGE

**Indra K. Reddy, Ph.D.** professor and founding dean of the Texas A&M Irma Lerma Rangel College of Pharmacy, presented the annual State of the College address on Thursday, October 12. In his address, the Dean highlighted student, faculty, and staff awards, spotlight news, noteworthy points, current and new initiatives, and key events.

## STUDENT NEWS

### INTERPROFESSIONAL EDUCATION ACTIVITIES

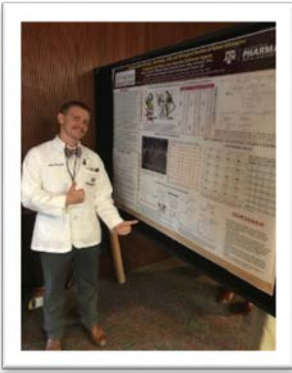
Texas A&M Irma Lerma Rangel College of Pharmacy students awarded Best Poster Presentations in the Student Category during the Interprofessional Education and Research Symposium on September 28 in Bryan, Texas. The symposium included participants from the Colleges of Dentistry, Medicine, Nursing, Pharmacy, and the School of Public Health.

Best IPER Poster Presentation – Titled "Texas A&M Medical Mission Trip: Costa Rica." Lead Author: **Diana Pena**. Co-authors: **Mona Ramon** and **Dr. Bree Watzak** (photo at right).

Best Interprofessional Activity – Titled "SIFAT Medical Mission Trip to Quesimpuco, Bolivia." Lead Author: **Wenfei Wei**. Co-authors: **Olivia Collado**, **Andrew Ramirez**, and **Dr. Bree Watzak** (College of Pharmacy).

Best All-Around IPER Poster – Titled "A One Health Approach to Interprofessional Simulation Education." Lead Author: **Michelle Yazdchi** (College of Pharmacy). Co-authors: Laura Hurst (College of Veterinary Medicine and Biomedical Sciences), Michelle Kurkowski (College of Veterinary Medicine and Biomedical Sciences), and Shyam Murali (College of Medicine).





**Brian Standard** (P2) (photo at left) attended the 2017 MD Anderson Cancer Metabolism Research Symposium in Houston, Texas, on October 5 and gave a poster presentation concerning the design and biological evaluation of new cancer drugs in **Dr. Hamed Ismail Ali's** lab. The poster was titled "Structural-Based Design, Synthesis, SAR, and Biological Studies of Novel Alloxazine Analogues as Potent and Selective Antitumor Agents."

### **TSHP ANNUAL SEMINAR**

Second-year College of Pharmacy students, **Kevin Tran** and **Lois Kim**, and **Dr. Juan Castro**, placed first in the student poster competition for their poster titled "Patient Oriented Communication Development Through Practical Applications and Specific Question Protocols" at the recent Texas Society of Health-System Pharmacists (TSHP) Annual Seminar.

Third-year student, **Olivia Collado**, and **Dr. Eric Grayson** received honorable mention in the TSHP practitioner education category with a work product titled "When Texas pharmacists gain provider status, which reimbursement model should be implemented?"

### **HURRICANE HARVEY RELIEF EFFORTS**



#### **RX For Relief**

Texas A&M Rangel College of Pharmacy students organized a volunteer effort, RX for Relief, for victims of Hurricane Harvey in August. Over the past two months, five crews consisting of students, faculty and staff, cleaned massive debris in the Port Aransas, Rockport and Aransas Pass communities. The Aggie Clean Up Crew also delivered 50 Zika prevention kits and over-the-counter medications to the decimated areas.

#### **Hurricane Harvey Blood Drive**

On September 5, the Texas A&M Rangel College of Pharmacy chapter of Kappa Psi Pharmaceutical Fraternity, Inc., and APhA-ASP, partnered with the Coastal Bend Blood Center to host a community-wide blood and donation drive for those affected by Hurricane Harvey at the Texas A&M University-Kingsville campus. Along with blood, they also collected donation items to distribute to those affected areas that had not received much assistance.



## KLEBERG COUNTY HEALTH FAIR



More than 25 Texas A&M Rangel College of Pharmacy students provided community health outreach at the Kleberg County Health Fair held at Dick Kleberg Park in Kingsville, Texas. Students provided blood glucose and blood pressure screenings and information on hypertension, heartburn awareness, drug abuse awareness and poison prevention education. They also performed lipid screenings.

## FIESTAS PATRIAS



Twenty Texas A&M Rangel College of Pharmacy students volunteered at Fiesta Patrias, a health fair for the citizens of Bryan, Texas. This is an annual event in September in conjunction with Hispanic Heritage Month and aims to reach the population of this statistically more Hispanic demographic. The College of Pharmacy students offered glucose and blood pressure screenings free of charge to the public who attended the festival. Walgreens was also on site to provide flu vaccines free of charge to individuals without health insurance.

## MCALLEN CITY HEALTH EXPO

Several members of the Texas A&M Rangel College of Pharmacy, including faculty, students, and residents, dedicated their time to providing health education during the McAllen City Health Expo in October. The group worked with patients to teach them about the appropriate use of medications used for chronic diseases (hypertension, diabetes mellitus, hypothyroidism, etc.) and answered medication-related questions.

## CITY OF CORPUS CHRISTI FLU CLINIC



Texas A&M Rangel College of Pharmacy students on rotation with preceptor, **Dr. George Udeani**, at the Corpus Christi Medical Center held a flu clinic for the City of Corpus Christi. Mayor Joe McComb (pictured at left) stopped by to receive his flu shot.

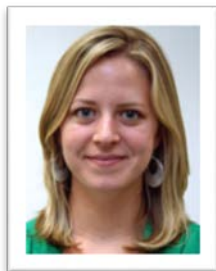
## SCHOLARSHIP RECIPIENTS

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

- **Bexar County Pharmacy Association** - Alexandra Ritenour (P1), Fatema Bodalbhai (P1)
- **CVS Health Foundation Pharmacy School Grants Program Scholarship** - Dealer Rockwell (P4), Emmy Jiang (P4), Jennifer Meza (P1), Joseph Nnani (P2), Konstantin Gawlik (P3)
- **Debra Lanell Wood '01 and Raymond Wood Endowed Scholarship** - Lei Wu (P3)
- **Dr. Martin Farias, III Memorial Scholarship** - Eunae Jeong (P2)
- **Estill Foundation Scholarship** - Ashton Goode (P4), Emmy Jiang (P4)
- **Moore's Pharmacy Inc./Texas Pharmacy Foundation Endowed Scholarship** - Christine Hong (P4), Domingo Rodriguez (P2), Kevin Chan (P2)
- **P.M. Rangel Family Endowed Scholarship** - Valerie Guerra (P4)
- **Tarrant County Pharmacy Association Endowed Scholarship** - Abisola Tairu (P3), Joseph Nnani (P2)
- **Walmart Scholarship** - Heaven Carrejo (P4), Jane Jeon (P3)

## FACULTY AND STAFF NEWS

### Faculty



The Texas A&M University Office of Undergraduate Studies, Instructional Technology Services, and the Center for Teaching Excellence announced that **Dr. Charlotte Farris'** proposal, *Student Success through Multimodal Assessment and Self-Regulated Learning*, has been accepted for the 2017-2018 Student Success Faculty Fellows Program.



**Dr. Mohammad Nutan** received the Distinguished Achievement College-Level Teaching Award from the Texas A&M University Association of Former Students. The award recognizes, encourages and rewards superior classroom teachers and is designed to distinguish those teachers who maintain high expectations for their students and ensure academic rigor in their courses.

### Staff



**Sharon LeMieux**, Administrative Coordinator I in the Office of the Dean, has been re-elected to serve a second term on the Texas A&M University Staff Council (USC) as the representative for the Rangel College of Pharmacy. Her new term begins September 2017 and will end August 2020.

## NEW HIRES

### Faculty



**Joy Alonzo, Pharm.D., M.E.**, joined the Rangel College of Pharmacy as a Clinical Assistant Professor in the Department of Pharmacy Practice. Her clinical site is located in College Station, Texas. Dr. Alonzo was recently awarded a gold medal at the Houston Medication Safety Symposium Poster Competition. She has also completed extensive training as a Texas Certified Substance Use Recovery Coach Specialist on November 4, 2017.



**Simi Gunaseelan, Ph.D.**, joined the Rangel College of Pharmacy as an Instructional Associate Professor in the Department of Pharmaceutical Sciences on the Kingsville Campus. Dr. Gunaseelan serves on the editorial board for the *Universal Journal of Pharmaceutical Research* and as a reviewer for the *Pharmaceutical Research, Advanced Drug Delivery Reviews, and Controlled Release Society Abstracts* journals.

### Staff

**Anubhab Mukherjee**, Postdoctoral Research Associate, Pharmaceutical Sciences Department, College Station, Texas.

**Eunsoo Yoo**, Postdoctoral Research Associate, Pharmaceutical Sciences Department, College Station, Texas

## PROFESSIONAL APPOINTMENTS

**Paul Holder, Pharm.D.**, has been appointed Chair of the 2017-2018 TSHP Editorial Advisory Board and Editor of the Journal.

**Robert Hutchison, Pharm.D.**, became a member of the Editorial Board (Pain Management specific), for Pharmacotherapy, the journal of human pharmacology and drug therapy, (2017-present).

**M. N. V. Ravi Kumar, Ph.D.**, became a member of the Editorial Board, Polymers for Advanced Technologies (2017-present). He has also been appointed an *Ad hoc* member, NIH-Biomaterials and Biointerfaces (BMBI) study section, October, 2017.

**Michael J. Miller, RPh, DrPH, FAPhA**, has been jointly appointed as an Associate Professor in the Texas A&M Libraries and will serve as a Scholarly Communications Faculty Advocate (9/01/2017 – 8/31/2019).

**Bree Watzak, Pharm.D.**, was appointed as a Board Member to Texas Area Health Education Center (AHEC) East.

**Bree Watzak, Pharm.D.**, served as a panelist at the 3rd Annual HSC Interprofessional Education and Research Symposium (IPER3) on September 28, 2017 in Bryan, Texas.

## **AWARDS AND HONORS**

**Choudhury, Mahua**, is a winner of a NIH scholarship at Obesity Grantee Meeting.

**Kim, Dongin**, is a winner of a NIH scholarship at Obesity Grantee Meeting.

**Kumar, Narendra, Mishra, Jayshree**. Methods of screening for Janus Kinase 3 interacting compounds. United States Patent. Patent No.: US 9,739,779. Date of award: Aug 22, 2017.

**Kumar, Narendra, Mishra, Jayshree**. Biomarkers for Early Detection of Colorectal Cancer. TAMU-HSC. No.: 4812HSC18. Date: September 11, 2017.

**Kumar, Narendra** is selected for the 2017-2018 class of the American Association of Colleges of Pharmacy (AACP) Catalyst: Accelerating Research Leadership program. Dr. Kumar is one among the top 12 applicants and 2 facilitators selected through nationwide selection for the AACP fellowship program.

**Majeti, Ravikumar** made it to the second round of the Stat News contest, sponsored by the Boston Globe, for his research findings on *The Next Generation Non-competitive Active Polyester Nanosystems for Transferrin Receptor-mediated Peroral Transport Utilizing Gambogic Acid as a Ligand*.

## **PRESENTATIONS**

**Alonzo, Joy**, October 12 delivered a presentation to the MD Anderson Department of Behavior Science, Family and Youth Prevention Research Team, "2017: Current Trends in Texas Substance Abuse" MD Anderson Mays Clinic, 15 MDs and MPH research staff of MD Anderson Behavioral Science Division.

**Alonzo, Joy**, October 19 presented "Medication Errors: Assessing and Preventing" Presentation to CACST (Community Action Coalition of South Texas) Emerald Beach Hotel 100 MDs, RNs. Pas.

**Ivy, Delaney**, September 2017, Presentations the University of Texas Pharmacy Practice Seminar in September entitled: *Diabetes Management: A Comparative Look at Insulin*.

**Kumar, Ravi** -Guest Lecture, National Institute of Pharmaceutical Education and Research, Hyderabad August 22, 2017 (Host A. Sharma).

**Kumar, Ravi** - Guest Lecture, Indian Institute of Chemical Technology, Hyderabad August 16, 2017 (Host A. Chaudhuri).

**Choudhury M**, Meruvu S, Powell C (2017). The Joseph E. and Martha E. Kutscher Baylor Scott & White DDRC Annual Symposium, Temple, TX. *Butyl Benzyl Phthalate (BBP) induces miRNAs-103/107 mediated Insulin Resistance in the Adipocytes.*

**Choudhury M**, Meruvu S, Powell C (2017). 2nd Annual Postdoctoral Symposium, College Station TX. *Butyl Benzyl Phthalate (BBP) induces miRNAs-103/107 mediated Insulin Resistance in the Adipocytes.*

**Choudhury M**, Meruvu S, Powell C, Zhang J, Sonkar R (2017). 1st South Texas Nutrition Obesity Symposium, College Station, TX. *Pyroloquinoline Quinone Alleviates Fatty Liver in Obese Mice on High Fat Diet and Exposed to Environmental Obesogen, Benzyl Butyl Phthalate.*

**Choudhury M**, Meruvu S, Panchal P (2017). 23rd Annual Texas Forum for Reproductive Sciences, University of Texas M.D, Anderson Cancer Center, Houston, TX. *Mono-(2-ethylhexyl) phthalate stabilizes HIF-1alpha and induces hypoxia and mitochondrial dysfunction through miR-210-3p in human first trimester placental cell line HTR-8/SVneo.*

2nd International Conference on Obesity and Chronic Diseases, San Francisco, CA, July 6-8 *E3 = Environment, Epigenetics, and Endocrinology*, **Mahua Choudhury\***, Luis Schultz, Min Hi Park, Jian Zhang, Catherine Powell, Sunitha Meruvu.

**Choudhury M**, Powell, CA, Meruvu S, Bhakta K. Title: *Double Trouble- Plastic And Fats: Combination Of Benzyl Butyl Phthalate And Palmitic Acid Enhance Adipogenesis By Epigenetic Regulation.* College Station, TX, September 2017.

**Choudhury M**, Powell CA. South Texas Nutrition Obesity Symposium. Title: *Modern Diets Induce Pregnancy Complications and Changes in Maternal Liver.* College Station, TX, May 2017.

**Choudhury M**, Powell CA. 23<sup>rd</sup> Annual Texas Forum for Reproductive Sciences. Title: *Modern Diets Induce Pregnancy Complications.* Houston, TX, April 2017.

**Choudhury M**, Meruvu S, Schutz LF, Zhang J, Powell CA. *Regulation of RNA methylation in the ovary of mice in response to diet.* 2<sup>nd</sup> Annual Postdoctoral Research Symposium Texas A&M University, College Station, TX.

**Schütz LF**, Meruvu S, Zhang J, Powell CA, Choudhury M. *Modern diet regulates RNA methylation in the ovary.* 2017 Joseph E. and Martha E. Kutscher DDRC Symposium, Temple, TX.

**Watzak B**, Bremick M, Ivy D. *Double Dipping: Work Smarter not harder when building your IPE curriculum.* Discussion Group at CAB VI, Banff, Canada, October 2, 2017.

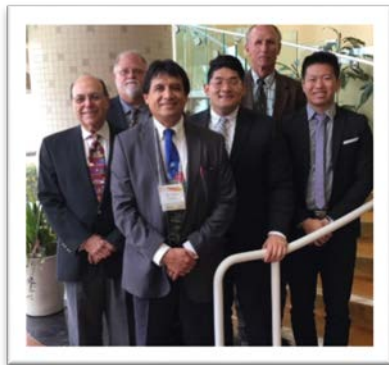
Graham L, West C, **Watzak B**, Gill A. *Sharing IPE curriculum across institutions.*



Discussion group at CAB VI, Banff, Canada, October 3, 2017.

West C, Zhou Y, **Watzak B**, Graham L. Assessment tools for short-term simulation-based interprofessional activity: a multidimensional measurement approach. Podium presentation at CAB VI, Banff, Canada, October 4, 2017.

**Watzak B**, Steele R. Team Work and communication in an intensive forensic mental health setting. Four hour podium presentation at Texas Forensic Mental Health Conference, Vernon, TX, October 18, 2017.



**Dr. Eric Grayson**, **Dr. Juan Castro**, and two P3 student mentees, **Andy Wong** and **Kevin Vo**, presented a panel discussion at the “Healthy Communities 2020 Conference – 2017” titled, “*An Interdisciplinary Look at How the Opioid Crisis is Impacting Healthcare in Texas: A Panel Discussion.*” The two-day conference was a function of the UTRGV School of Medicine.

## POSTER PRESENTATIONS

2017 Academic Drug Discovery Colloquium at the National Institute of Health, Bethesda, MD October 12-13, 2017. *Animal Studies with Desformylfluorobromine, a Naturally Occurring Nicotinic Acetylcholine Receptor Positive Allosteric Modulator.* Asti Jackson, Farah Deba<sup>2</sup>, Deniz Bagdas, Matthew K Vannoy, **Steven L. Peterson**, **David E. Potter**, M. Imad Damaj\*, **Ayman K. Hamouda\***

2nd Annual Postdoctoral Symposium. *Fructose-Induced DNA Demethylation Activates Kidney Inflammation*, Min Hi Park\*, Catherine A. Powell\*, Jian Zhang\*, Sunitha Meruvu\*, **Mahua Choudhury**, Postdoctoral Research Symposium, 2017, College Station, TX, September 2017. \*Selected for a Presentation

Joseph E & Martha E Kutscher DDRC Symposium. *Fructose-Induced DNA Demethylation Activates Kidney Inflammation*, Min Hi Park\*, Catherine A. Powell\*, Jian Zhang\*, Sunitha Meruvu\*, **Mahua Choudhury**, Postdoctoral Research Symposium, 2017, Temple, TX, September 2017. \*Selected for a Presentation

Powell CA, Bhaka K, Meruvu S, **Choudhury M.** (2017) *Double Trouble- Plastic And Fats: Combination Of Benzyl Butyl Phthalate And Palmitic Acid Enhance Adipogenesis By Epigenetic Regulation.* The Joseph E. and Martha E. Kutscher Baylor Scott & White DDRC Annual Symposium, Temple, TX.

Meruvu S, Powell CA, **Choudhury M.** (2017). The Joseph E. and Martha E. Kutscher Baylor Scott & White DDRC Annual Symposium, Temple, TX. *Butyl Benzyl Phthalate (BBP) induces miRNAs-103/107 mediated Insulin Resistance in the Adipocytes.*

Schutz, LF\*, Meruvu S\*, Zhang J\*, Powell CA\*, **Choudhury M.** (2017) *Modern Diet Regulates RNA Methylation in the Ovary*. The Joseph E. and Martha E. Kutscher Baylor Scott & White DDRC Annual Symposium, Temple, TX \*Equal Contribution

Zhang J\*, **Powell CA\***, Meruvu S\*, Sonkar R, Bhakta K, Gutierrez AK, Choudhury M. (2017) *Expression of Epigenetic regulators miR-103 and Sirt3 dysregulation in diet-induced diabetes*. The Joseph E. and Martha E. Kutscher Baylor Scott & White DDRC Annual Symposium, College Station, TX \*Equal Contribution

Schutz, LF\*, Meruvu S\*, Zhang J\*, Powell CA\*, **Choudhury M.** (2017) *Regulation of RNA Methylation in the Ovary of Mice in Response to Diet*. 2<sup>nd</sup> Annual Postdoctoral Symposium, College Station TX \*Equal Contribution

Park MH\*, Powell CA\*, Zhang J\*, Meruvu S\*, **Choudhury M.** (2017) *Fructose Induced DNA Demethylation Activates Kidney Inflammation*. 2<sup>nd</sup> Annual Postdoctoral Symposium, College Station, TX \*Equal Contribution

Zhang J\*, Powell CA\*, Meruvu S\*, Sonkar R, Bhakta K, Gutierrez AK, **Choudhury M.** (2017) *Expression of Epigenetic regulators miR-103 and Sirt3 dysregulation in diet-induced diabetes*. 1<sup>st</sup> South Texas Nutrition Obesity Symposium, College Station, TX \*Equal Contribution

Meruvu S, Powell CA, Zhang J, Sonkar R, **Choudhury M.** (2017). *Pyroloquinoline Quinone Alleviates Fatty Liver in Obese Mice on High Fat Diet and Exposed to Environmental Obesogen, Benzyl Butyl Phthalate*. 1<sup>st</sup> South Texas Nutrition Obesity Symposium, College Station, TX

Stout, J., Pittman, A., Bentley, R., Livingston, J., **Watzak, B.** (2017, September 17). *The Effects of Interprofessional Pediatric End-of-Life Simulation*. Poster presentation at NLN Education Summit, San Diego, CA.

**Watzak B**, Wise Matthews D, Dickey N. 2017 *IPE Medical Mission to Bolivia*. Poster presentation at 3rd Annual HSC Interprofessional Education and Research Symposium (IPER3) on September 28, 2017 in Bryan, Texas. WINNER of Best Faculty All-Around IPER poster.

Pena D, Ramon M, **Watzak B.** *Interprofessional Medical Mission to Costa Rica*. Poster presentation at 3rd Annual HSC Interprofessional Education and Research Symposium (IPER3) on September 28, 2017 in Bryan, Texas. WINNER of BEST Student IPER Poster Presentation.

Collado O, Dodd T, Ramirez A, Wei W, **Watzak B.** *Bolivia Interprofessional Medical Mission*. Poster presentation at 3rd Annual HSC Interprofessional Education and Research Symposium (IPER3) on September 28, 2017 in Bryan, Texas. WINNER Best Student Interprofessional Activity.

Dickey E, Dickey N, McCord C, Poston D, Tarlow K, **Watzak B**. *A Model of efficient interprofessional collaboration in a free healthcare clinic: the Health for All "Health Huddle"*. Poster presentation at 3rd Annual HSC Interprofessional Education and Research Symposium (IPER3) on September 28, 2017 in Bryan, Texas. WINNER Faculty Best Interprofessional Activity.

Page R, White-Corey S, Bray A, Yeager L, Mendoza M, Beathard K, Geismar K, McCord C, Kapusniak L, **Watzak B**. *The Prenatal clinic in Bryan, TX: An innovative interprofessional collaboration to deliver holistic care alongside prenatal care to the medically underserved*. Poster presentation at 3rd Annual HSC Interprofessional Education and Research Symposium (IPER3) on September 28, 2017 in Bryan, Texas.

Yazdchi M, Ward M, Rector J, **Watzak B**. *Expanding Roles in Interprofessional simulation across the pharmacy curriculum - TAMHSC Disaster Day*. Poster presentation at 3rd Annual HSC Interprofessional Education and Research Symposium (IPER3) on September 28, 2017 in Bryan, Texas.

Stout J, Pittman A, Bentley R, Livingston J, **Watzak B**. *Pediatric End-of life simulations and their impact on communication and role understanding in medical, nursing, pharmacy, and public health students*. Poster presentation at CAB VI, Banff Canada, October 2, 2017.

Hurst L, Kurkowski M, Murali S, **Yazdchi M**. *A One Health Approach to Interprofessional Simulation Education*. Poster presented at TAMHSC Interprofessional Education and Research Symposium (IPER3). September 28, 2017. Bryan, Texas.

## **PUBLICATIONS**

Evans C, Getchell, K, & **Ivy D**. Low dose vitamin K supplementation in patients using vitamin K antagonists: a literature review of a clinical controversy. *Journal of Pharmacy Practice* Published ahead of print: June 2017

**Hamouda A. K.\***, Jackson A., Bagdas D., Damaj M. I. (2017) Reversal of Nicotine Withdrawal Signs through Positive Allosteric Modulation of  $\alpha 4\beta 2$  Nicotinic Acetylcholine Receptors in mice. *Nicotine & Tobacco Research* \*corresponding author.

Martes-Martínez C, Méndez-Sepúlveda C, Millán-Molina J, Duconge-Soler J, Marín-Centeno, French-Kim M, Rivera-Miranda GC, **Hernández-Muñoz JJ**. Cost-utility Study of Warfarin Genotyping in the VACHS Affiliated Anticoagulation Clinic of Puerto Rico. *Puerto Rico Health Sciences Journal*. September 2017, 36(3): 165-172.

Jiao Wang, Jung Seok Lee, **Dongin Kim**, **Lin Zhu**, [Exploration of Zinc Oxide Nanoparticles as a Multi-target and Multi-functional Anticancer Nanomedicine](#) *ACS Applied Materials & Interfaces* 2017

Qing Yao, Jong Hoon Choi, Zhi Dai, Jiao Wang, **Dongin Kim**, Xing Tang, **Lin Zhu**, [Improving tumor specificity and anticancer activity of dasatinib by dual-targeted polymeric micelles](#) *ACS Applied Materials & Interfaces* 2017, 9(42), 36642-36654

Qing Yao, Zhi Dai, Jong Hoon Choi, **Dongin Kim**, **Lin Zhu**, [Building Stable MMP2-Responsive Multifunctional Polymeric Micelles by an All-in-One Polymer-Lipid Conjugate for Tumor-Targeted Intracellular Drug Delivery](#), *ACS Applied Materials & Interfaces*, 2017, 9(38), 32520-32533

Mishra J, Das JK, **Kumar N**. (2017). Janus kinase-3 regulates adherens junction and epithelial mesenchymal transition through  $\beta$ -catenin. *J. Biol. Chem.* 292(40) 16406–19. PMID: 26451047.

M. Guada, R. Ganugula, M. V. Vadhanam, and **M. N. V. Ravi Kumar** Urolithin A mitigates cisplatin- induced nephrotoxicity by inhibiting renal inflammation and apoptosis in an experimental rat model. *J Pharmacol Exp Ther* 363: 58-65, 2017 (Cover article)

Toribio M\*, **Kim DH**, **Park MH**\*, Zanni MV, Robbins GK, Burdo TH, Williams KC, Feldpausch MN, Stone L, Melbourne K, Grinspoon SK, Fitzgerald ML. HDL Cholesterol Efflux Capacity in Newly Diagnosed HIV and Effects of Anti-Retroviral Therapy. *J Clin Endocrinol Metab.* 2017 Sep 18. \*Selected for a Presentation

Kim YR, Lee EK, **Kim DH**, Kim KM, Lee B, An HJ, Park JW, Moon KM, Park MH, Chung KW, Park JY, Kim SJ, Yun HY, Son S, Chun P, Moon HR, Chung HY. PPAR $\alpha$  activation by MHY908 attenuates age-related renal inflammation through modulation of the ROS/Akt/FoxO1 pathway. *Exp Gerontol.* 2017 Jun;92:87-95.

An HJ, Lee B, **Kim DH**, Lee EK, Chung KW, Park MH, Jeong HO, Kim SM, Moon KM, Kim YR, Kim SJ, Yun HY, Chun P, Yu BP, Moon HR, Chung HY. Physiological characterization of a novel PPAR pan agonist, 2-(4-(5,6-methylenedioxybenzo[d]thiazol-2-yl)-2-methylphenoxy)-2-methylpropanoic acid (MHY2013). *Oncotarget.* 2017 Mar 7;8(10):16912-16924

Zidan AS, Aqueel SM, Alayoubi A, Mohammad A, Zhang J, **Rahman Z**, Faustino P, Lostritto RT, Ashraf M. [Leachable diphenylguanidine from rubber closures used in pre-filled syringes: A case study to understand solid and solution interactions with oxytocin.](#) *Int J Pharm.* 2017 Oct 30;532(1):491-501.

Charoo NA, Durivage M, **Rahman Z**, Ayad MH. [Sample Size for Tablet Compression and Capsule Filling Events During Process Validation.](#) *J Pharm Sci.* 2017 Aug 2. pii: S0022-3549(17)30556-7.

Zidan AS, Kamal N, Alayoubi A, Seggel M, Ibrahim S, **Rahman Z**, Cruz CN, Ashraf M. [Effect of Isopropyl Myristate on Transdermal Permeation of Testosterone From Carbopol Gel.](#) *J Pharm Sci.* 2017 Jul;106(7):1805-1813.

Schütz LF, Bernardo J, Le M, Thomas T, Nguyen C, Zapata D, Sanford H, **Bowman JD**, Mitchell BM, **Choudhury M** (2017). Application of Nutraceuticals in Pregnancy Complications: Does epigenetics play a role? *Handbook of Nutrition, Diet and Epigenetics*.

Schütz LF, Park MH, **Choudhury M** (2017). HDACs in Diabetes: a new era of epigenetic drug. *Nutritional and Therapeutic Interventions for Diabetes and Metabolic Syndrome, 2<sup>nd</sup> edition*.

Xia Z, Wang F, Zhou S, Zhang R, Wang F, Huang JH, **Wu E\***, Zhang Y\*, Hu Y\*. Catalpol protects synaptic proteins from beta-amyloid induced neuron injury and improves cognitive functions in aged rats. *Oncotarget*. Sep 19, 2017. (\*corresponding author).

Jiang Z, Chen K, Cheng L, Yan B, Qian W, Cao J, Li K, **Wu E**, Ma Q, Yang W. Resveratrol and cancer treatment: updates. *The Annals of the New York Academy of Sciences*. Sep 2017.

Nizamutdinov D, Dandashi JA, Stock EM, Vasquez EA, Mao Y, Dayawansa S, Zhang J, **Wu E**, Fonkem E, Huang JH. Survival Outcomes Prognostication in Glioblastoma Diagnosed Patients. *World Neurosurgery*. Sep 23, 2017.

**Erxi Wu**, Reviewer for NIH R01s (ZRG1 SBIB-Q (57)).Center for Scientific Review Special Emphasis Panel, CENTER FOR SCIENTIFIC REVIEW, ZRG1 SBIB-Q (57), PAR Panel: Academic-Industrial Partnerships Research for Cancer Diagnosis and Treatment, 10/27/2017.

## GRANTS

**Kim, Dongin**, Collaborative Research Grant Program between Texas A&M and CONACYT, titled "Silencing miRNA 34a via Crosslinkosome to prevent diabetes". Sep 4, 2017~Aug. 31, 2018, Funding \$ 24,000.00

R01EY028169-01, NIH-NEI, 2017-2022, **M. N. V. Ravi Kumar** (PI) Systemic anti-inflammatory therapy to prevent or delay diabetic cataracts and treat post-surgical inflammation. Total costs \$1,856,250.

**Jayshree Mishra**, ABRCMS Faculty Judge Award-2017, American Society of Microbiology

**Jayshree Mishra**, Open Access to Knowledge Fund (OAK-Fund) Award, Office of the Vice President for Research, Texas A&M University.