



Texas A&M Rangel College of Pharmacy Report to the Texas Pharmacy Congress, Feb. 10

STUDENT NEWS

Intern Recruitment Fair

The College held its Intern Recruitment Fair on the College Station campus on February 3 to 4, 2016, a two-day event consisting of student interviews for first- and second-year students to directly interact with corporate sponsors for possible summer internship opportunities. The College will host a Fair on the Kingsville campus on February 17 to 18, 2016. Sponsors for these events include Brookshire Bros., CVS Health, H-E-B, Kroger Southwest, Moore's Inc., Walgreens and Wal-Mart.

Ties & Tennis Shoes Memorial Fun Run

Plans and preparations are in full swing for the February 26 event. Our students continue to lead the charge in leaving a legacy through making a difference in the lives of those around them and have established a fun, family-friendly event: <http://www.active.com/kingsville-tx/running/distance-running-races/ties-and-tennis-shoes-memorial-fun-run-5k-10k-and-kids-1-mile-run-2016>.

FACULTY NEWS

Professional Appointments

Holder, Paul, M.S., Pharm.D., Assistant Professor of Pharmacy Practice was appointed to be a member of the editorial board of *Journal of Clinical Pharmacology and Toxicology* in November 2015. Dr. Holder joins Pharmacy and Medicine Faculty members from 8 different countries from around the world, including the U.S.A.

Holder, Paul, M.S., Pharm.D., along with **Dongjin (Donoven) Kim, Ph.D.** were named Co-Faculty Advisors for the Pharmacy College Organizations Group (PCOG) on the College Station campus.

Mishra, Jayshree, Ph.D., (Jan 2016); Dr. Mishra was appointed as an external reviewer by the National Council for Scientific and Technological Development (CNPq) Government of Brazil, where she will review the research proposals submitted to National Institutes of Science and Technology (NIST) program. NIST is a prestigious federal agency under the Civil House of the Presidency and the ICP-Brazil where only selected experts are invited and an honorarium is associated for their services.

Pho, Victoria B., Pharm.D., CGP assistant professor of pharmacy practice is serving on the 2015-2016 AACP Program Committee. The Program Committee is responsible for assisting the Board of Directors and staffing the planning of the 2016 AACP Annual Meeting held in Anaheim, California July 2016.

Pho, Victoria B., Pharm.D., CGP, assistant professor of pharmacy practice is serving on the

iForumRx Advisory Board a two-year appointment (July 2015 to June 2017). As part of the advisory board member, Dr. Pho is charge with the following tasks (1) exerting a positive influence on patient drug therapy outcomes, (2) disseminating evidence-based drug therapy knowledge, and (3) producing an interactive web-based resource for ambulatory care pharmacy practitioners of the highest quality.

Pho, Victoria B., Pharm.D., CGP, assistant professor of pharmacy practice is serving AACP Geriatric Special Interest Group (SIG) as the intermediate past chair

Presentations

Wang, Z-J., Mohamed, T.S., A.B. Alaskari, and **Hamouda A.K.**, (2015) "3-(2-chlorophenyl)-5-(5-methyl-1-(piperidin-4-yl)-1H-pyrrazol-4-yl) isoxazole (CMPI) is a selective positive allosteric modulator of low-sensitivity $\alpha 4\beta 2$ nicotinic acetylcholine receptor". The 45th annual meeting of the Society for Neuroscience, Chicago, IL.

Gordon Ang, Manuel Salina, **Ken Mizuno**, Almntaser Alaskari, **Ayman K. Hamouda** (2015) Radioligand Binding Analysis and Photoaffinity Labeling Studies in Nicotinic Acetylcholine Receptor Positive Allosteric Modulators. Society for Neuroscience, Annual Symposium-Texas A&M University College Station, TX.

Ze-Jun Wang, Tasnim S. Mohamed, **Farah Deba**, Kara Ramos, **Ayman K. Hamouda** (2015) 3-(2-chlorophenyl)-5-(5-methyl-1-(piperidin-4-yl)-1H-pyrrazol-4-yl) isoxazole(CMPI) is a stoichiometry-selective Nicotinic Acetylcholine Receptor Positive Allosteric Modulator. Society for Neuroscience, Annual Symposium-Texas A&M University-College Station, TX.

Farah Deba, Abisola Tairu, Jihad Ahmed, Tiffany R. Trevino, **Ayman K. Hamouda** (2015) Interaction of the Positive Allosteric Modulator LY2087101 with $\alpha 4\beta 2$ Nicotinic Acetylcholine Receptor. Society for Neuroscience, Annual Symposium-Texas A&M University-College Station, TX.

Narendra Kumar (Jan 2016); Dr. Kumar was an invited plenary session speaker and session chair at the international conference; Wound Healing 2016, London, UK. The title of his talk was "Mechanism of wound healing in gastrointestinal tract". Additionally, Dr. Kumar also chaired a session on "Stem Cells and Regeneration" at the conference.

P. Saini, G. Raghu, S. Harshad, **M.N.V. Ravi Kumar**. Nanosystems mimicking physiological secretion of insulin for better glucose metabolism and regulation. Materials Research Society, Boston, USA, November 29-December 4, 2015 (L3.20).

P. Saini, G. Raghu, S. Harshad, **M.N.V. Ravi Kumar**. Novel precision polymer nanosystems (P2Ns) for receptor mediated peroral drug delivery. Materials Research Society, Boston, USA, November 29-December 4, 2015 (H7.07).

M. N. V. Ravi Kumar presented a guest lecture on "It's all about delivery", Garrison Institute on Aging, Texas Tech University Health Science Center, Lubbock, TX, January 05, 2016.

M. N. V. Ravi Kumar, Guest Lecture, Garrison Institute on Aging, Texas Tech University Health Science Center, Lubbock, TX, January 05, 2016.

Mishra, Jayshree (Jan 2016); Dr. Mishra was an invited speaker at the international conference; Wound Healing 2016, London, UK. The title of her talk was “SUB-MOLECULAR ASPECT OF TYROSINE KINASE MEDIATED MUCOSAL WOUND REPAIR”.

Tu Y, **Zhu L***, A Matrix Metalloproteinase 2-Sensitive Multifunctional Polymer-Drug Conjugate for Tumor-Targeted Drug Delivery, *AAPS Annual*, Orlando, FL, Oct 25-29, 2015

Dai Z, Tu Y, **Zhu L***, MMP2-Sensitive Polymeric Micelles for Tumor-Targeted Delivery of Hydrophobic Drugs, *AAPS Annual Meeting*, Orlando, FL, Oct 25-29, 2015

Joel Thornton and **Lin Wu**. (2015). Bridging Rivers of Instructional Services via a Customer Needs Assessment. 2015 South Central Chapter of the Medical Library Association Annual Meeting, Little Rock, AK.

Interviewed by Stella Bennett, commissioning editor for Therapeutic Delivery. “It’s all about delivery-interview with M. **N. V. Ravi Kumar**, Therapeutic Delivery, 2015, 6(10) 1135-1137.

Awards and Honors

Khan, Mansoor A. *FDA Group Recognition Award* for achieving impactful collaboration between ORA and CDER that led to significant scientific and regulatory advancement in pharmaceutical testing

Publications

Kim, H, Kim, HS, **Bowman, J**, Cho, NH (2015) Comparing diabetic patient characteristics related to stated medication adherence in a rural vs. urban community in Korea. *Journal of Clinical Pharmacy and Therapeutics*. 40 (2015): n. page. Available at: <http://onlinelibrary.wiley.com/doi/10.1111/jcpt.12344/epdf>

Zhang, J, Ali, H, Bedi, Y, Choudhury, M. (2015) The plasticizer BBP selectively inhibits epigenetic regulator sirtuins. *Toxicology* 338 (2015) 130-141.

Arguelles AO, Meruvu S, Bowman JD, Choudhury M. Are epigenetic drugs for diabetes and obesity at our door step? *Drug Discov Today*. 2015 Dec 14. PMID: 26697737

Mohamed, T.S., Jayakar, S. S., and **Hamouda, A.K.** (2015) Orthosteric and Allosteric Ligands of Nicotinic Acetylcholine Receptors for Smoking Cessation. *Frontiers in Molecular Neuroscience* 8:71.

Siddiqui, A., Rahman, Z., Korang-Yeboah, M., & **Khan, M. A.** (2015) Development and Validation of X-Ray Diffraction Method for Quantitative Determination of Crystallinity in Warfarin Sodium Products. *Int. J. Pharm.*, 2015, Sept 30, 493(1-2): 1-6.

Xu, X., Al-Ghabeish, M., Rahman, Z., Krishnaiah, Y. S., Yerlikaya, F., Yang, Y., & **Khan, M. A***. (2015). Formulation and Process Factors Influencing Product Quality and *in Vitro* Performance of Ophthalmic Ointments. *Int J Pharm*. 2015 Sep 30;493(1-2):412-25. doi: 10.1016/j.ijpharm.2015.07.066. Epub 2015 Jul 29

Agarabi, C. D., Schiel, J. E., Lute, S. C., Chavez, B. K., Boyne, M. T., Brorson, **Khan, M. A** & Read, E. K. (2015). Bioreactor Process Parameter Screening Utilizing a Plackett–Burman Design for a

Model Monoclonal Antibody. *Journal of pharmaceutical sciences*, 104(6), 1919-1928

Yang Y, Manda P, Pavurala N, **Khan M. A.**, Krishnaiah Y. S, Development and validation of in vitro-in vivo correlation (IVIVC) for estradiol transdermal drug delivery systems, *J. Control. Rel.*, 2015 Jul 28;210:58-66. doi: 10.1016/j.jconrel.2015.05.263. Epub 2015 May 13

Wu, H., Lyon, R., **Khan, M. A.**, Voytilla, R. J., & Drennen, J. K. (2015). Integration of Near-Infrared Spectroscopy and Mechanistic Modeling for Predicting Film-Coating and Dissolution of Modified Release Tablets. *Industrial & Engineering Chemistry Research*.

Yang, Y., Mohammad, A., Berendt, R. T., Carlin, A., **Khan, M. A.**, & Faustino, P. J. (2015) Evaluation of the *in Vitro* Efficacy of Sevelamer Hydrochloride and Sevelamer Carbonate. *J Pharm Sci*. 2015 Jul 28. doi: 10.1002/jps.24572. [Epub ahead of print]

Moolchandani V., **Khan M. A.**, Augsburger L., and Hoag S., Investigation of the influence of machine operating variables on formulations derived from lactose types in capsule filling: Part 2, (2015) *Drug Dev. Ind. Pharm.*, 2015, accepted for publication.

Yerlikaya F., Mohammad A., Faustino P. J., **Khan M. A.**, Saeed R. K., (2015) A comparative evaluation of polystyrene divinyl benzene co-polymer HPLC columns on the chromatographic performance of the compendial method for doxycycline hyclate capsules: Implications for method implementation of a medical counter-measure medication. *Journal of Analytical Sciences*, 2015, 5, 23-34

Huiquan Wu, Eric Read, Maury White, Brittany Chavez, Kurt Brorson, Cyrus Agarabi, and **Mansoor Khan.**, Real time monitoring of bioreactor mAb IgG3 cell culture process dynamics via Fourier transform infrared spectroscopy: Implications for enabling cell culture process analytical technology. *Frontiers of Chemical Science and Engineering*, September 2015, Volume 9, Issue 3, pp 386-406

A Rathore, S. Singh, M. Pathak, C. Agarabi, K. Brorson, and **M. Khan.**, Fermentanomics: Relating quality attributes of a monoclonal antibody to cell culture process variables and raw materials using multivariate data analysis, *Biotechnology Progress*, 08/2015; DOI: 10.1002/Pjan2016btpr.2155

Dai Z, Tu Y, **Zhu L.**, Multifunctional Micellar Nanocarriers for Tumor-targeted Delivery of Hydrophobic Drugs, *Journal of Biomedical Nanotechnology*, 2015 (In press)

NEW HIRES

Director of Development

Brandy Kines has joined the Texas A&M Rangel College of Pharmacy as Director of Development. Brandy joins the College from the Lakeview Methodist Conference Center in Palestine, Texas, where she served as the Director of Development and Marketing. She earned her bachelor's and master's degrees from Texas A&M University. In addition to leading the development activities of the Texas A&M Rangel College of Pharmacy, Brandy will oversee other development activities for the Texas A&M Health Science Center in the South Texas region. Brandy has offices located on the Kingsville and College Station campuses.

Tulasigeri Totiger, Ph.D.

Postdoctoral Research Associate, Kingsville

Xiudong Yang

Research Associate, Kingsville

Meenakshi Arora

Research Scientist, College Station