



Report to the Texas Pharmacy Congress — Feb. 18-19, 2015

Students provide nearly 1,300 screenings at community health fair

UH College of Pharmacy Pharm.D. students provided nearly 1,300 free wellness screenings for the Humble/Kingwood/Northeast Houston community during a Jan. 21 health fair at the Humble Civic Center.

In addition to nearly 70 medication reviews, UHCOP students performed 657 cholesterol/blood glucose tests; 406 blood pressure readings; and 203 diabetic foot exams and metabolic syndrome/diabetes education.

Nearly 100 students and several faculty members participated in the event, which was sponsored by the nonprofit CVA Cares Foundation and the Cardiovascular Association PLLC physicians group in collaboration with the City of Humble, Kingwood Medical Center and Memorial Hermann Northeast Hospital.



TMC residents get 'A-to-Z' treatment on leadership, practice perspectives

National pharmacy luminaries **Roger W. Anderson**, DrPH, R.Ph., FASHP, a member of the UHCOP Dean's Advisory Council, and **David A. Zilz**, M.S., R.Ph., FASHP, led a roundtable discussion with residents/students in the Pharmacy Leadership & Administration, the concurrent M.S./PGY1-PGY2 Residency "Houston Program" between UHCOP and seven fellow TMC institutions.

The pair also served as panelists in a "friendly debate" on leadership and pharmacy practice for practitioners and residents at Houston Methodist Hospital, with TSBP Board Member and Memorial Hermann Memorial City Hospital Director of Pharmacy & Respiratory Care **Joyce A. Tipton**, R.Ph., MBA, FASHP, serving as moderator.

Science, art intersect through UH exhibition, lecture series exploring Alzheimer's disease

The lab of UHCOP associate professor Jason Eriksen, Ph.D., was featured in a multimedia exhibition at UH's Blaffer Art Museum focusing on the science and social/psychological impact of Alzheimer's disease.

Janet Biggs' "Echo of the Unknown" included audio, video and still images of Eriksen's team working to unravel the pathology of Alzheimer's and potential neuroprotective approaches. As part of the museum's companion series of lectures, which will also feature *Still Alice* author and neuroscientist Lisa Genova, Ph.D., on Feb. 19, Eriksen gave a presentation on his research as well as the work of late artist and Alzheimer's patient William Utermohlen.



Student News

Pharmaceutics doctoral student **Pankajini Mallick** received a Graduate Student Travel Support Award to attend and present at the **Society of Toxicology 54th Annual Meeting** March 22-26 in San Diego, Calif. Her project with UHCOP associate professor and graduate advisor **Romi Ghose**, Ph.D., is entitled "Irinotecan-Induced Steatosis In Vivo: The Possible Role of Fatty Acid de novo Lipogenesis."

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Alton Kanak, R.Ph., owner/co-owner of five pharmacies and a board member of American Pharmacies and the UHCOP Dean's Advisory Council, served as the keynote speaker for the **5th Annual UH NCPA Meet & Greet** Feb. 6 at UH.

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P3 student **Bianca Romero** was named the **2014-15 UH APhA-ASP Patient Counseling Competition** winner on Feb. 2. Romero, who will represent the college in the APhA-ASP National Patient Counseling Competition March 27-30 in San Diego, was one of 85 UH students who participated in this year's local competition.

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In collaboration with the student-run interdisciplinary H.O.M.E.S. Clinic and Walgreens, UHCOP students provided 35 seasonal flu immunizations at a free Flu Shot Clinic for Houston's homeless Feb. 1.

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Doina Dumitru, Pharm.D., MBA, FASHP, Director of Pharmacy at Memorial Hermann The Woodlands, served as the keynote speaker for the **10th Annual SSHP Residency Mentoring Social** Jan. 27 at UH. Co-sponsored by the Gulf Coast Society of Health-System Pharmacists, the event was attended by more than 100 UH and TSU pharmacy students and more than 60 Houston-area residency directors and PGY1/PGY2 residents.

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The UH Chapter of the Academy of Managed Care Pharmacists/Society of Industrial Pharmacists held its second annual P&T Committee Competition in January, with the team of **Tiffany Han**,



H.O.M.E.S. Flu Clinic

Anne Le, Hang Le, Jaekyu (Jay) Lee, Leslie Opara and Boxin Xu taking first place.

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Three hundred and sixty-five Pharm.D. students from the P1, P2 and P3 classes took the PCOA exam on Jan. 23.

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Pharmaceutical Health Outcomes and Policy doctoral student **Aylin Yucel** won first place in the Patient Safety category of the research poster competition at the 15th Annual Health Services & Outcomes Research Conference Dec. 9 in Houston. Yucel's project was entitled "Reduction in ER Visits of ADHD Patients: Effect of Long- and Short-Acting Stimulants."

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The Rho Chi Society's Beta Omicron Chapter at UH has inducted 20 Pharm.D. students and five M.S./Residency students into the society during the 2014-15 academic year.

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The American College of Clinical Pharmacy Student Network has officially recognized the establishment of an ACCP student chapter at the UH College of Pharmacy, the national organization's first student chapter in Texas.

College Calendar

Feb. 27 — OSCEs (P2 Class)

March 13 — Advocacy Convocation with TPA President Charlotte Weller

April 11 - Pharmacy-based Immunization Delivery Certificate/CE (register by April 2)

April 24 — Rho Chi Society Robert L. Boblitt Lecture with Cmdr. Chandima B. Deegala, Pharm.D., NCPS-PP, Indian Health Service, Shiprock, N.M.

May 14 —UHCOP Graduation Convocation

May 15 — UH Commencement

June 1 — UHCOP Golf Classic @ Wildcat Golf Club

June 20 —Delivering Medication Therapy Management Services Certificate/CE (register by May 15)

June 23-26 — UH Pharmacy Summer Camp

Faculty @ Research News

Joy P. Alonzo, Pharm.D., M.E., clinical assistant professor, received a \$6,000 UH New Faculty Grant Program for her project entitled, "Pediatric Clinical Outcomes associated with Administration of Palivizumab via the TCHP Provider Network for the 2013-2014 and 2014-2015 RSV Season(s)."

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Rajender R. Aparasu, Ph.D., FAPhA, professor, was among the inaugural graduates of the UH Cougar Chairs Leadership Academy, a year-long leadership development program designed to provide ongoing support to academic department leaders and to aspirational department leaders at UH.

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Mohammad Asghar, Ph.D., assistant professor, has been appointed to the editorial board of the journal *Clinical and Experimental Hypertension* and as a committee member in the Young Investigator Award Committee for Society of Free Radical and Biology. Asghar also will serve as a judge for the of the ASPET-Behavioral Pharmacology Division abstract competition at the 2015 Experimental Biology Meeting March 28-April 1 in Boston.

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Kim K. Birtcher, Pharm.D., M.S., BCPS, CDE, CLS, clinical professor, has been appointed to serve on the American Heart Association/American College of Cardiology Taskforce on Practice Guidelines.

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Elizabeth A. Coyle, Pharm.D., BCPS, FCCM, clinical professor, received a Presidential Citation from the Society of Critical Care Medicine at the 44th Critical Care Congress Jan. 17-21 in Phoenix, Ariz.

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Greg D. Cuny, Ph.D., assistant professor, has received a two-year, \$140,000 grant from the American Heart Association for his project, entitled "Probes to elucidate the role of BMP signaling in vasculature calcification."

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Jason Eriksen, Ph.D., associate professor, has received a \$15,000 a subcontract award from the University of Maryland in collaboration on a NIH-funded project entitled, "The Secretary Chaperone 7B2 as an Endogenous Regulator of Amyloid Pathology."

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Marc L. Fleming, Ph.D., MPH, R.Ph., assistant professor, received a one-year, \$94,179 grant from Mallinckrodt Pharmaceuticals for his project entitled "Texas Prescribers' Attitudes and Predicted Pain Management Based on Rescheduling Hydrocodone Combination Products." Fleming also was awarded a one-year, \$10,000 New Investigator Grant from the American Association of Colleges of Pharmacy for his project entitled,

"Pharmacist-Patient Communication about Addiction and Willingness to Counsel and Refer."

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Kevin W. Garey, Pharm.D., M.S., FASHP, professor and department chair, has received a \$159,000 grant from the Texas Department of State Health Services for his project, "A Clinical Risk Index for Primary Clostridium Difficile Infection." Garey also will serve as the keynote speaker at the 2015 Temple University School of Pharmacy Research Recognition Day Feb. 20 and as an invited speaker at the DUPHAT 2015 conference March 10-15 in Dubai, United Arab Emirates.

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Brian J. Knoll, Ph.D., associate professor and assistant dean of Graduate Programs, was appointed to serve on a National Science Foundation Graduate Fellowship Program (NSF GRFP) panel to review pre-doctoral fellowship applications.

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Samina Salim, Ph.D., assistant professor, was an invited speaker at the "1st Global Conference of Biological Psychiatry" in September in New Delhi, India. Her presentation was entitled "Why Persistent Psychological Stress Contributes to Anxiety, Depression and Cognitive Impairment." Salim also was an invited speaker and session chair at the 6th national meeting of the Association of Scientists of Indian Origin in America Jan. 17-18 in Orlando, Fla.

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Sujit S. Sansgiry, Ph.D., associate professor, received a one-year, \$99,488 award from GlaxoSmithKline for his project, entitled "Impact of Medicare Advantage Prescription Drug Coverage Gap Among COPD Patients: Analysis of Risk of Hospitalization."

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Matthew A. Wanat, Pharm.D., BCPS, clinical assistant professor, was awarded the Award for Excellence in Leadership from the Texas Chapter of the Society of Critical Care Medicine. Wanat has served in a variety of chapter roles, including Board Secretary, co-chair of the communications committee, editor of the chapter newsletter, website manager and member of the planning committee for the chapter's annual symposium.

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Three UHCOP faculty members have received adjunct faculty appointments at Baylor College of Medicine: **Julianna Fernandez**, Pharm.D., BCPS, CGP; **Jeff Sherer**, Pharm.D., MPH, BCPS, CGP; and **Matthew Wanat**, Pharm.D., BCPS.

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UHCOP faculty members **Kim Birtcher**, Pharm.D., M.S., BCPS, CDE, CLS; **Aditi Marwaha**, Ph.D.; and **Sujit Sansgiry**, Ph.D., received the Rho Chi Society Beta Omicron Chapter's 2014 Faculty Excellence Awards in November.

Recent Publications

- Coyle E** and **Prince RA**. Urinary tract Infections and Prostatitis. DiPiro J (ed). Pharmacotherapy: A Pathophysiologic Approach, 9th ed, 2014.
- Development and validation of a highly sensitive LC-MS/MS assay for the quantification of arginine vasopressin in human plasma and urine: Application in preterm neonates and child. **Zhang D**, Rios DR, **Tam VH**, **Chow DS**. J Pharm Biomed Anal. 2014 Oct;99:67-73. doi: 10.1016/j.jpba.2014.07.001. Epub 2014 Jul 10. PMID: 25072843
- Reply to "measuring polymyxin uptake by renal tubular cells: is BODIPY-polymyxin B an appropriate probe?". **Abdelraouf K**, **Tam VH**. Antimicrob Agents Chemother. 2014 Oct;58(10):6339. doi: 10.1128/AAC.03784-14. PMID: 25225341
- Long-term treadmill exercise attenuates tau pathology in P301S tau transgenic mice. **Ohia-Nwoko O**, Montazari S, Lau YS, **Eriksen JL**. Mol Neurodegener. 2014 Nov 28;9:54. doi: 10.1186/1750-1326-9-54. PMID: 25432085
- Validation of a model to predict the risk of nephrotoxicity in patients receiving colistin. **Phe K**, **Johnson ML**, Palmer HR, **Tam VH**. Antimicrob Agents Chemother. 2014 Nov;58(11):6946-8. doi: 10.1128/AAC.03776-14. Epub 2014 Aug 18. PMID: 25136012
- Dynamic bias and its implications for GPCR drug discovery. Michel MC, Seifert R, **Bond RA**. Nat Rev Drug Discov. 2014 Nov;13(11):869. doi: 10.1038/nrd3954-c3. Epub 2014 Oct 17. PMID: 25323926
- Risk of manic switch associated with antidepressant therapy in pediatric bipolar depression. **Bhowmik D**, **Aparasu RR**, Rajan SS, **Sherer JT**, Ochoa-Perez M, **Chen H**. J Child Adolesc Psychopharmacol. 2014 Dec;24(10):551-61. doi: 10.1089/cap.2014.0028. PMID: 2547065
- C1 domains: structure and ligand-binding properties. **Das J**, Rahman GM. Chem Rev. 2014 Dec 24;114(24):12108-31. doi: 10.1021/cr300481j. Epub 2014 Nov 6. PMID: 25375355
- Compartmentalization Role of A-Kinase Anchoring Proteins (AKAPs) in Mediating Protein Kinase A (PKA) Signaling and Cardiomyocyte Hypertrophy. **Rababa'h A**, Singh S, Suryavanshi SV, Altarabsheh SE, Deo SV, **McConnell BK**. Int J Mol Sci. 2014 Dec 24;16(1):218-229. Review. PMID: 25547489
- Age-related hypertension and salt sensitivity are associated with unique cortico-medullary distribution of D1R, AT1R, and NADPH-oxidase in FBN rats. Pokkunuri I, **Chugh G**, Rizvi I, **Asghar M**. Clin Exp Hypertens. 2015;37(1):1-7. doi: 10.3109/10641963.2014.977489. Epub 2015 Jan 6. PMID: 25562528
- High aggression in rats is associated with elevated stress, anxiety-like behavior, and altered catecholamine content in the brain. **Patki G**, **Atrooz F**, **Alkadhi I**, **Solanki N**, **Salim S**. Neurosci Lett. 2015 Jan 1;584:308-13. doi: 10.1016/j.neulet.2014.10.051. Epub 2014 Nov 1. PMID: 25450144
- Grape powder prevents cognitive, behavioral, and biochemical impairments in a rat model of posttraumatic stress disorder. **Solanki N**, **Alkadhi I**, **Atrooz F**, **Patki G**, **Salim S**. Nutr Res. 2015 Jan;35(1):65-75. doi: 10.1016/j.nutres.2014.11.008. Epub 2014 Dec 5. PMID: 2553344
- American society for parenteral and enteral nutrition (a.s.p.e.N.) standards of practice for nutrition support pharmacists. **Tucker A**, Ybarra J, Bingham A, Blackmer A, Curtis C, Mattox T, Miller C, Ward C, Williams NT; Standards of Practice for Nutrition Support Pharmacists Task Force; American Society for Parenteral and Enteral Nutrition. Nutr Clin Pract. 2015 Feb;30(1):139-46. doi: 10.1177/0884533614550318. Epub 2014 Oct 6. PMID: 25288252
- In Vitro Ceftriaxone Susceptibility in Methicillin-Susceptible *Staphylococcus aureus*. **Phe K**, Dao D, Palmer HR, **Tam VH**. Antimicrob Agents Chemother. 2015 Feb;59(2):1370. doi: 10.1128/AAC.04531-14. Epub 2014 Nov 17. PMID: 25403674
- Moderate Treadmill Exercise Protects Synaptic Plasticity of the Dentate Gyrus and Related Signaling Cascade in a Rat Model of Alzheimer's Disease. **Dao AT**, **Zagaar MA**, **Alkadhi KA**. Mol Neurobiol. 2014 Oct 8. [Epub ahead of print] PMID: 25288155
- Framework for optimisation of the clinical use of colistin and polymyxin B: the Prato polymyxin consensus. Nation RL, Li J, Cars O, Couet W, Dudley MN, Kaye KS, Mouton JW, Paterson DL, **Tam VH**, Theuretzbacher U, Tsuji BT, Turnidge JD. Lancet Infect Dis. 2014 Oct 21. pii: S1473-3099(14)70850-3. doi: 10.1016/S1473-3099(14)70850-3. [Epub ahead of print] Review. PMID: 25459221
- Identification of optimal renal dosage adjustments for high-dose extended-infusion cefepime dosing regimens in hospitalized patients. Zasowski E, Bland CM, **Tam VH**, Lodise TP. J Antimicrob Chemother. 2014 Nov 6. pii: dku435. [Epub ahead of print] PMID: 25381169
- Noninfectious Diarrhea in HIV Seropositive Individuals: a Review of Prevalence Rates, Etiology, and Management in the Era of Combination Antiretroviral Therapy. Clay PG, **Crutchley RD**. Infect Dis Ther. 2014 Nov 12. [Epub ahead of print] PMID: 25388760
- Circulating and disseminated tumor cells from breast cancer patient-derived xenograft-bearing mice as a novel model to study metastasis. Giuliano M, Herrera S, Christiny P, Shaw C, Creighton CJ, Mitchell T, Bhat R, Zhang X, Mao S, Dobrolecki LE, Al-Rawi A, Chen F, Veneziani BM, Zhang X, Hilsenbeck SG, Contreras A, Gutierrez C, Jeselsohn RM, Rimawi MF, Osborne C, Lewis MT, Schiff R, **Trivedi MV**. Breast Cancer Res. 2015 Jan 9;17(1):3. [Epub ahead of print] PMID: 25572662
- Evaluation and Pharmacokinetics of Treatment Dose Enoxaparin in Hospitalized Patients with Morbid Obesity. Thompson-Moore NR, **Wanat MA**, Putney DR, Liebl PH, Chandler WL, Muntz JE. Clin Appl Thromb Hemost. 2015 Jan 19. pii: 1076029614568713. [Epub ahead of print] PMID: 25601898