



Report to the Texas Pharmacy Congress — Feb. 9-10, 2016

National Academy of Inventors Elects Chow to Fellow Status

UH College of Pharmacy's **Diana S-L. Chow**, Ph.D., professor of Pharmaceutics and director of the college's Institute for Drug Education & Research, has been named a 2015 Fellow of the National Academy of Inventors.

According to the NAI, "Fellow status is a high professional distinction accorded to academic inventors who have demonstrated a highly prolific spirit of innovation in creating or facilitating outstanding inventions that have made a tangible impact on quality of life, economic development, and welfare of society."

Chow was honored for her research career spanning more than 30 years and resulting in more than 10 U.S. and international patents, including as co-inventor of IV Busulfex® (busulfan). More than 65 percent of all acute leukemia patients transplanted in North



America receive the pretransplant regimen, which has resulted in a 10-fold reduction in the three-month, post-transplantation patient mortality rate. Available in more than 40 countries from Otsuka America Pharmaceuticals, the drug has generated more than \$14 million in royalties to UH since it received FDA approval in 1999.

In 2009, the Houston Intellectual Property Law Association bestowed its "Inventor of the Year Award" to Chow and her IV Busulfex® co-inventors.

In October 2015, Chow received notices of award for two continuation patents on lung and liver organ-specific nanoformulations for novel oral and parenteral forms of an anticancer agent, mebendazole, a previously antiparasitic medication.

HOPA Lauds Trivedi for Paper on Circulating Tumor Cells from Breast Cancer Models

Assistant Professor **Meghna Trivedi**, Pharm.D., Ph.D., BCOP, will receive the Hematology-Oncology Pharmacy Association's 2016 Basic Science and Clinical Research Literature Award at the 12th HOPA Annual Conference March 16-19 in Atlanta, Ga.

The award recognizes Trivedi's paper, "Circulating and disseminated tumor cells from breast cancer patient-derived xenograft-bearing mice as a novel model to study metastasis," which was published in the January 2015 issue of *Breast Cancer Research*.



Trivedi

The study demonstrated that circulating tumor cells in blood and disseminated tumor cells in bone marrow can be detected in patient-derived breast cancer xenograft-bearing mice. Her studies suggest that these rare circulating tumor cells may represent a valuable and unique preclinical model for investigating tumor metastases. Researchers from Baylor College of Medicine, including co-corresponding author Rachel Schiff, Ph.D.; University Federico II (Naples, Italy); and Harvard Medical School; and UHCOP were among Trivedi's project collaborators.

Wanat Wins Election to SCCM Texas Leadership, Earns Board Certification

Matthew A. Wanat, Pharm.D., BCPS, BCCCP, clinical assistant professor, has been elected President-elect of the Society of Critical Care Medicine-Texas Chapter. Wanat's term will begin in March, followed by subsequent one-year terms as president and immediate past president.



Wanat

Wanat also was honored with 2015 Presidential Citation from the national Society of Critical Care Medicine in November.

Wanat also was among the first in the nation last year to attain the designation of Board Certified Critical Care Pharmacists by the Board of Pharmaceutical Specialties.



SSHP Event Awarded Outstanding Professional Development Project by ASHP Student Forum

The UH College of Pharmacy Chapter of the Student Society of Health-System Pharmacists received national recognition for its 10th Annual Residency Mentoring Social at the 2015 American Society of Health-System Pharmacists' Midyear Clinical Meeting Dec. 6-10 in New Orleans.

UHCOP was among two dozen chapters from across the U.S. honored with an Outstanding Professional Development Project Award from the ASHP Student Forum. The 2015 event drew more than 100 UH and TSU students who had the opportunity to interact on a one-on-one basis with residents and residency program directors from more than 19 greater Houston-area programs.

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Pharmacy Leader Ginsburg Delivers Keynote at 11th Annual SSHP Residency Mentoring Social

National pharmacy leader and UHCOP alumna **Diane Ginsburg**, Ph.D., R.Ph., FASHP, served as the keynote speaker for the 11th Annual SSHP Residency Mentoring Social Jan. 27 at UH.

This year's event was attended by nearly 70 Pharm.D. students from UHCOP and Texas Southern University and nearly 80 current residents and directors representing 18 programs across the greater Houston area. The program is supported by the Gulf Coast Society of Health-System Pharmacists, the Texas Society of Health-System Pharmacists, and the UH Funding Activities Board.



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UH Patient Counseling Competition Draws

Nearly 60 UHCOP students competed in the 2015-16 UH APhA-ASP Patient Counseling Competition, with the crown going to current Chapter President Erin McGregor, who will represent the college at the APhA-ASP National Patient Counseling Competition March 4-7 in Baltimore.

Calendar

Feb. 26: 6th Annual NCPA Meet & Greet

Speaker: A.J. Day, PCCA

March 30: Phi Lambda Sigma James T. McCarty Leadership Lecture

Speaker: Joyce Tipton, Memorial Hermann Memorial City Medical Center

April 9: APhA Delivering MTM Services Course

May 13: UH College of Pharmacy Convocation

May 21: APhA Delivering MTM Services Course

May 22-24: MALTO Meeting-in-Miniature (UH)

June 6: UHCOP Alumni & Friends Scholarship Golf Tournament

Judging continues to be competitive, with only 6 points separating first from 10th place and only one-tenth of 1 point separating the winner from the second-place finisher. The competition and award reception is sponsored by Kroger.



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UH to Host 43rd Annual MALTO Pharmacognosy-Medicinal Chemistry Meeting May 22-24

The University of Houston will serve as host site for the 43rd Annual MALTO Medicinal Chemistry-Pharmacognosy Meeting-in-Miniature May 22-24.

Founded in 1973, MALTO includes faculty, graduate students and postdoctoral researchers from colleges of pharmacy in Mississippi, Arkansas, Louisiana, Texas, Tennessee, and Oklahoma.

Poster and podium presentation awards will be presented at the meeting, and the 2016 A. Nelson Voldeng Memorial Lecturer will be **Richard A.F. Dixon**, Ph.D., director of the Molecular Cardiology Research Laboratories at the Texas Heart Institute. Registration and abstract submission guidelines will be posted at www.uh.edu/research/malto in the coming weeks.

Faculty @ Research News

Rajender R. Aparasu, Ph.D., FAPhA, professor and chair of the Department of Pharmaceutical Health Outcomes and Policy, has been invited to serve as co-chair of the Research Review Committee for the 21st Annual International Meeting of the International Society of Pharmacoeconomics and Outcomes Research (ISPOR) May 21-25 in Washington, D.C. Aparasu also has been appointed editor-in-chief of *Drug, Healthcare and Patient Safety*, a Dove Medical Press peer-reviewed, open-access journal.



Aparasu

in Patients with *Clostridium difficile* Infections" and a \$87,164 grant from Merck & Co. for his project, "Incidence, risk factors, and outcomes of *Clostridium difficile* infection (CDI) in patients with chronic liver disease." Garey also was invited to take part in the National Quality Forum's "Developing a Practical Playbook to Advance Effective Antibiotic Stewardship" program Dec. 3 in Washington, D.C.



Garey

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Nicholas D. Beyda, Pharm.D., BCPS, assistant professor, has received a one-year, \$146,082 grant from Astellas Pharmaceuticals Inc. for his project, "Adaptive cell wall responses to caspofungin and micafungin among echinocandin susceptible and resistant *C. glabrata*: Characterization and implications on virulence and host immune responses."



Beyda

Romi Ghose, Ph.D., and **Bradley K. McConnell**, Ph.D., FAHA, FAPS, associate professors, recently graduated as members of the UH Cougar Chairs Leadership Academy's Class of 2015. A yearlong program of the UH Provost's Office, the academy is designed to cultivate leadership talent in a select cohort of university faculty.



Ghose



McConnell

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Elizabeth A. Coyle, Pharm.D., BCPS, FCCM, clinical professor, and **Tara L. Jenkins**, Ph.D., R.Ph., will co-present a "Pharmacy Curriculum Outcomes Assessment (PCOA)" webinar Feb. 16 hosted by the Curriculum SIG of the American Association of Colleges of Pharmacy.

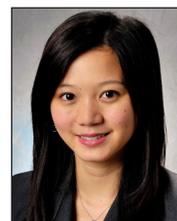


Coyle



Jenkins

Amelia K. Sofjan, Pharm.D., BCPS, clinical assistant professor, has received a one-year, \$10,000 New Investigator Award from the American Association of Colleges of Pharmacy for her project, "Changing Epidemiology in Cirrhotic Patients with Spontaneous Bacterial Peritonitis."



Sofjan

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Greg D. Cuny, Ph.D., assistant professor, has been appointed to a three-year term through 2018 on the Long Range Planning Committee for the American Chemical Society's Medicinal Chemistry Division.



Cuny

Vincent H. Tam, Pharm.D., BCPS (AQ-ID), professor, received a one-year, \$130,200 grant from Merck & Co. for his project, "A Retrospective Cohort Study to Compare the Outcomes of Patients with Pseudomonas Bacteremia Given Empiric Aminoglycoside Therapy."



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Marc L. Fleming, Ph.D., MPH, R.Ph., assistant professor, will serve as a co-presenter for the Pharmacy Track session entitled "Looking Beyond Red Flags" at the 2016 National Rx Drug Abuse & Heroin Summit March 28-31 in Atlanta, Ga.



Fleming

Maria V. Tejada-Simon, Ph.D., M.Ed., assistant professor, received a \$3,000 grant for her project, "Targeting synaptic plasticity to rescue memory deficits in Alzheimer's disease," from the UH Division of Research's Small Grants Program.



Tejada-Simon

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Kevin W. Garey, Pharm.D., M.S., FASHP, professor, has received a \$225,000 grant from the Texas Department of State Health Services for his project, "Statewide Assessment of Environmental *C. Difficile* Colonization." Garey also has received a \$120,743 grant from Merck & Co. for his project, "Patterns of Healthcare Resource Utilization

Anne M. Tucker, Pharm.D., BCNSP, clinical associate professor, will serve as chair following her three-year reappointment to the Nutrition Support Speciality Council of Board of Pharmacy Specialties.



Tucker

Recent Publications

- Hepatocellular Carcinoma Surveillance Among Cirrhotic Patients With Commercial Health Insurance. Goldberg DS, Valderrama A, Kamalakar R, **Sansgiry SS**, Babajanyan S, Lewis JD. *J Clin Gastroenterol*. 2015 Aug 31. [Epub ahead of print]
- Development of a metrics dashboard for monitoring involvement in the 340B Drug Pricing Program. **Karralli R**, Tipton J, Dumitru D, Scholz L, **Masilamani S**. *Am J Health Syst Pharm*. 2015 Sep 1;72(17):1489-95. doi: 10.2146/ajhp140567. PMID: 26294243
- Impact of obesity on accumulation of the toxic irinotecan metabolite, SN-38, in mice. **Mallick P**, **Shah P**, **Gandhi A**, **Ghose R**. *Life Sci*. 2015 Oct 15;139:132-8. doi: 10.1016/j.lfs.2015.08.017. Epub 2015 Sep 1. PMID: 26334566
- Oral Glutamine in Preventing Treatment-Related Mucositis in Adult Patients With Cancer: A Systematic Review. **Sayles C**, **Hickerson SC**, Bhat RR, Hall J, **Garey KW**, **Trivedi MV**. *Nutr Clin Pract*. 2015 Oct 27. pii: 0884533615611857. [Epub] Review. PMID: 26507188
- Use of Statins and Risk of Dementia in Heart Failure: A Retrospective Cohort Study. **Chitnis AS**, **Aparasu RR**, **Chen H**, Kunik ME, Schulz PE, **Johnson ML**. *Drugs Aging*. 2015 Sep;32(9):743-54. doi: 10.1007/s40266-015-0295-4. PMID: 26363909
- Frequency of and risk factors for medication errors by pharmacists during order verification in a tertiary care medical center. **Gorbach C**, Blanton L, Lukawski BA, Varkey AC, **Pitman EP**, **Garey KW**. *Am J Health Syst Pharm*. 2015 Sep 1;72(17):1471-4. doi: 10.2146/ajhp140673. PMID: 26294240
- The risk of febrile neutropenia and need for G-CSF primary prophylaxis with the docetaxel and cyclophosphamide regimen in early-stage breast cancer patients: a meta-analysis. **Do T**, **Medhekar R**, **Bhat R**, **Chen H**, Niravath P, **Trivedi MV**. *Breast Cancer Res Treat*. 2015 Oct;153(3):591-7. doi: 10.1007/s10549-015-3531-z. Epub 2015 Sep 4. PMID: 26337685
- Microbiological Assessment of Polymyxin B Components Tested Alone and In Combination. Kassamali Z, **Prince RA**, Danziger LH, Rotschafer JC, Rhomberg PR, Jones RN. *Antimicrob Agents Chemother*. 2015 Sep 21. pii: AAC.01021-15. [Epub] PMID: 26392511
- Quality of life of patients with Parkinson's disease and neurodegenerative dementia: A nationally representative study. **Chekani F**, **Bali V**, **Aparasu RR**. *Res Social Adm Pharm*. 2015 Sep 28. pii: S1551-7411(15)00176-X. doi: 10.1016/j.sapharm.2015.09.007. [Epub] PMID: 26508270
- Lxr regulates lipid metabolic and visual perception pathways during zebrafish development. Pinto CL, Kalasekar SM, McCollum CW, Riu A, Jonsson P, Lopez J, Swindell EC, Bouhlatouf A, Balaguer P, **Bondesson M**, Gustafsson JÅ. *Mol Cell Endocrinol*. 2015 Sep 30. pii: S0303-7207(15)30096-4. doi: 10.1016/j.mce.2015.09.030. [Epub] PMID: 26427652
- Mycobacterium tuberculosis IMPDH in Complexes with Substrates, Products and Antitubercular Compounds. Makowska-Grzyska M, Kim Y, Gorla SK, Wei Y, Mandapati K, Zhang M, Maltseva N, Modi G, Boshoff HI, Gu M, Aldrich C, **Cuny GD**, Hedstrom L, Joachimiak A. *PLoS One*. 2015 Oct 6;10(10):e0138976. doi: 10.1371/journal.pone.0138976. eCollection 2015. PMID: 26440283
- Synthesis and Antiproliferative Activity Evaluation of the Disulfide-Containing Cyclic Peptide Thiochondrilline C and Derivatives. Vippala MR, Ly PK, **Cuny GD**. *J Nat Prod*. 2015 Oct 23;78(10):2398-404. doi: 10.1021/acs.jnatprod.5b00428. Epub 2015 Oct 7. PMID: 26444379
- Caffeine treatment prevents REM sleep deprivation induced impairment of late phase LTP in the dentate gyrus. **Alhaider IA**, **Alkadhi KA**. *Eur J Neurosci*. 2015 Oct 9. doi: 10.1111/ejn.13092. [Epub] PMID: 26449851
- β-Blockers have differential effects on the murine asthma phenotype. **Thanawala VJ**, Valdez DJ, **Joshi R**, **Forkuo GS**, Parra S, **Knoll BJ**, Bouvier M, Leff P, **Bond RA**. *Br J Pharmacol*. 2015 Oct;172(20):4833-46. doi: 10.1111/bph.13253. Epub 2015 Oct 13. PMID: 26211486
- Development and Validation of the RxDx-Dementia Risk Index to Predict Dementia in Patients with Type 2 Diabetes and Hypertension. **Mehta HB**, Mehta V, Tsai CL, **Chen H**, **Aparasu R**, **Johnson ML**. *J Alzheimers Dis*. 2015 Oct 15. [Epub] PMID: 26519436
- Probable Nonconvulsive Status Epilepticus With the Use of High-Dose Continuous Infusion Cefazidime. Collins RD, Tverdek FP, Bruno JJ, **Coyle EA**. *J Pharm Pract*. 2015 Oct 16. pii: 0897190015608503. [Epub ahead of print] PMID: 26475124
- Cardiovascular Safety of Concomitant Use of Atypical Antipsychotics and Long-Acting Stimulants in Children and Adolescents With ADHD. **Bali V**, **Kamble PS**, **Aparasu RR**. *J Atten Disord*. 2015 Oct 21. pii: 1087054715608443. [Epub] PMID: 26494504
- Potentially inappropriate anticholinergic medication use in older adults with dementia. **Kachru N**, Carnahan RM, **Johnson ML**, **Aparasu RR**. *J Am Pharm Assoc (2003)*. 2015 Oct 24:e475-e484. doi: 10.1331/JAPhA.2015.14288. [Epub] PMID: 26501745
- Curcumin Affects Phase II Disposition of Resveratrol Through Inhibiting Efflux Transporters MRP2 and BCRP. **Ge S**, Yin T, Xu B, **Gao S**, **Hu M**. *Pharm Res*. 2015 Oct 26. [Epub ahead of print] PMID: 26502886
- Unbiased Selection of Peptide-Peptoid Hybrids Specific for Lung Cancer Compared to Normal Lung Epithelial Cells. Matharage JM, Minna JD, Brekken RA, **Udugamasooriya DG**. *ACS Chem Biol*. 2015 Oct 28. [Epub ahead of print] PMID: 26509598
- Severely Impaired and Dysregulated Cytochrome P450 Expression and Activities in Hepatocellular Carcinoma: Implications for Personalized Treatment in Patients. Yan T, Lu L, Xie C, Chen J, Peng X, Zhu L, Wang Y, Li Q, Shi J, Zhou F, **Hu M**, Liu Z. *Mol Cancer Ther*. 2015 Oct 29. pii: molcanther.0274.2015. [Epub] PMID: 2651615
- Characterization of Polymyxin B Biodistribution and Disposition in an Animal Model. **Manchandani P**, **Zhou J**, Ledesma KR, Truong LD, **Chow DS**, **Eriksen JL**, **Tam VH**. *Antimicrob Agents Chemother*. 2015 Dec 7;60(2):1029-34. doi: 10.1128/AAC.02445-15. PMID: 26643340
- Quantitative determination of dopamine in human plasma by a highly sensitive LC-MS/MS assay: Application in preterm neonates. **Zhang D**, **Wu L**, **Chow DS**, **Tam VH**, Rios DR. *J Pharm Biomed Anal*. 2016 Jan 5;117:227-31. doi: 10.1016/j.jpba.2015.09.003. Epub 2015 Sep 5. PMID: 26372947