Annual Report
2009-2010

Publications
Dyal, Kevin N.

“Synthesis and biological evaluation of kinase-targeting dialkylfumimidazoles.” Texas Enzyme Mechanisms Conference, The University of Texas, Austin, TX, Jan. ‘10. (Poster)

“Quantifying alanine-directed substrates phosphorylation by different MAP kinases suggests their contribution to MAPKs signaling.” 239th American Chemical Society National Meeting, San Francisco, CA, March ‘10. (Poster)


“San Antonio screening protocols for protein kinases.” University of Texas Health Science Center, San Antonio, TX, July ‘10.

Fast, Walter L.

“Using 3D technology in medicinal chemistry research and education.” University of Texas, Pharmacy Advisory Council, Austin, TX, March ‘10.

“Mechanism and inhibition of dimethylarginine: A nitric oxide control valve.” University of Oklahoma, Department of Chemistry and Biochemistry, Norman, OK, March ‘10.

“Amidines as dual-targeted inhibitors of nitric oxide production.” Texas Enzyme Mechanisms Conference, The University of Texas, Austin, TX, Jan. ‘10. (Poster)

“Discovery and design of inhibitors targeting nitric oxide production through dimethylarginine dimethylamino hydrolase.” Pharmacy Celebrating Research Day, The University of Texas, Austin, TX, April ‘10. (Poster)

Seongmin Lee

“Chemical approaches toward understanding base excision DNA repair.” Keimyung University of School of Medicine, Daegu, South Korea, July ‘10.

Liu, Hung-wen


“Studies of biosynthesis of Spinosyns in Saccharopolyspora spinosa.” Massachusetts Institute of Technology, Department of Chemistry, Cambridge, MA, Oct. ‘09; and 33rd Brazilian Chemical Society Annual Meeting, Sao Paulo, Brazil, May ‘10.

“Studies of the biosynthesis of Spinosyns.” Ian Scott Award in Chemistry Symposium, Texas A&M University, College Station, TX, Oct. ‘09; Dow AgroSciences, Indianapolis, IN, Nov. ‘09; and 7th International Symposium for Chinese Medicinal Chemists, Plenary Lecture, Kaohsiung, Taiwan, Feb. ‘10.

“Studies of the intramolecular cyclization reactions in the biosynthesis of Spinosyns.” University of Wisconsin, School of Pharmacy, Madison, WI, April ‘10.


Whitman, Christian P.

“How nature makes a better dehalogenase: Lessons from the study of cis-3-chloroacrylate acid dehalogenase and the Cg10062 homologue.” Georgia State University, Department of Chemistry, Atlanta, GA, Oct. ‘09; and Michigan State University, Department of Biochemistry and Molecular Biology, East Lansing, MI, March ‘10.


Zhang, Zhiguo


“Chemical biology: From biotechnology to biology.” Nanjing University, School of Chemistry and Chemical Engineering, Nanjing, China, May ‘10.

“Reactive Protein Engineering and Protein-protein interactions.” Shanghai Jiaotong University, College of Pharmacy, Shanghai, June ‘10.


Division of Pharmaceuticals

Croyles, Maria A.


“Production Issues and Testing of H1N1 Vaccines.” H1N1 Policy Panel, Managing the H1N1IVirus: Immunization Development and Distribution Policy, Lyndon B. Johnson School of Public Affairs Center for Health and Social Policy, The University of Texas at Austin, Dec. ‘09.


Cui, Zhengrong


McConville, Jason T.

“Nanoparticles vs. Pulmonary A spergillosis.” Department of Chemistry and Chemical Biology’s Fall 2010 Colloquium, Northeastern University, Boston, MA, July ‘09.


Zhang, Zhiwen


“Chemical biology: From biotechnology to biology.” Nanjing University, School of Chemistry and Chemical Engineering, Nanjing, China, May ‘10.

“Reactive Protein Engineering and Protein-protein interactions.” Shanghai Jiaotong University, College of Pharmacy, Shanghai, June ‘10.


McGinity, James W.


“Production of a Temperature Sensitive Drug via Hot Melt Extrusion and Kinetisol® Dispersing.” American Association of Pharmaceutical Scientists, Los Angeles, Nov. ‘09.

(Dinunzio, Schilling, Coney, Kaneko) “Application of Coleus Microcrystalline Cellulose for the Production of Rapidly Dissolving Tablets Containing a High Solid Dispersion Loading.” American Association of Pharmaceutical Scientists, Los Angeles, Nov. ‘09.


Smyth, Hugh D.

“Designing Aerosol Formulations for Asthma an COPD.” 2nd Annual Asthma and Chronic Obstructive Pulmonary Disease Conference, Philadelphia, PA, June ‘10.

Stavchansky, Saloman


(Yang, Wang, Bynum, Bowman, Kerwin) “Synthesis of Caffeic Acid Phenethyl Amide (CAPA) and Fluorinated Derivatives and Comparison to Caffeic Acid Phenethyl Esters (CAPE) in Cytoprotection of Human Endothelial Cells.” Annual National Meeting of the American Association of Pharmaceutical Scientists, Los Angeles, CA, Nov. ‘09.

“Advancing and Protecting Health Care - Challenges and Opportunities.” International Conference on Drug De-
Division of Pharmacology and Toxicology

Bratton, Shawn B. (Choi, Butworth, Malladi, Dukett, Cohen) “The E3 ubiquitin ligase cIAP1 binds and ubiquitimates caspases-3 and -7 via unique mechanisms at distinct steps in their processing.” *Journal of Biological Chemistry* 284, pp. 12772-12782, ’09.


(Ahrens, Ma, Maier, Schallert) “Repeated intravenous morphine exposure results in persistent sensitization of 50-kHz ultrasonic trill calls in rats.” Behavioral Brain Research 197, pp. 205-209 ’09.

Erickson,卡尔ton K. (White) “Commentary: The neurobiology of addiction recovery.” *Alcoholism Treatment Quarterly* 27, pp. 338-345 ’09.

(Brick) “Intoxication is not always visible: An unrecognized pitfall challenged.” *Alcoholism Clinical & Experimental Research* 33, pp. 1489-1507, ’09.


(Theile, Morikawa, Morrisett) “Role of 5-HT2c receptors in Ca2+-dependent ethanol potentiation of GABA release onto ventral tegmental area dopamine neurons.” *Journal of Pharmacology and Experimental Therapeutics* 329, pp. 625-33, ’09.

(Howard, Schier, Wetzel) “The dopamine response in the nucleus accumbens core-shell border differs from that in the core and shell during operant self-administration with MDMA. *European Journal of Pharmacology* 561, pp. 1355-1365, ’09.


(Wu, Lin) “Age-related changes in hypothalamic androgen receptor and estrogen receptor in male rats.” *Journal of Comparative Neuroendocrinology* 52(5), pp. 688-701, ’09.


Morisset, Richard (Theile, Morikawa, Gonzales) “Role of 5-HT2c receptors in Ca2+-dependent ethanol potentiation of GABA release onto ventral tegmental area dopamine neurons.” *Journal of Pharmacology Experimental Therapeutics* 329, pp. 625-633, ’09.


Division of Pharmacotherapy

Burgess, David S. (Frei) “Pharmacokinetic/pharmacodynamic modeling to predict in vivo effectiveness of various dosing regimens of piperacillin/tazobactam and piperacillin monotherapy against gram-negative pulmonary isolates from patients managed in intensive care units in 2002.” *Clinical Therapeutics* 30, pp. 2335-2341, ’08.

(Curbing resistance development, Maximizing the patient’s quality of life, Publication)
of available agents.” *Journal of Managed Care Pharmacy* 15, pp. s5–s9, ’09.


Bussey, Henry I. (Walker, Bussey-Smith, Frei) “Interim Analysis Of Triple Intervention To Improve International Normalized Ratio Control In Warfarin-Treated Patients.” International Society of Thrombosis and Haemostasis Congress, Boston, MA, July ’09. (Abstract)


Franco, Crystal (Maxwell, Green, Barthol) “Anticoagulation Patient Safety Goal Compliance at a University Health System: Methods for Achieving the Goal.” *Hospital Pharmacy* 44(9), pp. 776-780, ’09.

(Fondaparinux Usage Guidelines). Clinical Intranet University Health System, San Antonio TX, Aug. 09.

“Treatment Dosing and Monitoring Guidelines-LMWHs and Fondaparinux in Adults.” Clinical Intranet, University Health System, San Antonio TX and “Anticoagulation Safety Information,” Formulary Flash, A Publication of the P&T Committee and the Department of Pharmacy, University Health System, San Antonio TX, Oct. ’08.

Heparin Induced Thrombocytopenia-Review of Therapy.” Drug Utilization Committee, University Health System, San Antonio TX, Nov. ’08.

“Warfarin Safety Information,” Formulary Flash, A Publication of the P&T Committee and Department of Pharmacy/ University Health System, San Antonio TX, Dec. ’08.

(Heparin vs LMWH vs Fondaparinux: What’s the Difference?) Formulary Flash, A Publication of the P&T Committee and the Department of Pharmacy, University Health System, San Antonio TX, Feb. ’09.

“Inpatient Warfarin INR Monitoring Policy.” Clinical Intranet, University Health System, San Antonio TX, March ’09.

(Heparin Assay to Monitor Unfractionated Heparin.) Formulary Flash, A Publication of the P&T Committee and the Department of Pharmacy, University Health System, San Antonio TX, June ’09.

“Endocarditis and Patient Education Brochure, University Health System, San Antonio TX, August ’09.


Franco, Crystal (Maxwell, Green, Barthol) “Anticoagulation Patient Safety Goal Compliance at a University Health System: Methods for Achieving the Goal.” *Hospital Pharmacy* 44(9), pp. 776-780, ’09.

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(Heparin Assay to Monitor Unfractionated Heparin.) Formulary Flash, A Publication of the P&T Committee and the Department of Pharmacy, University Health System, San Antonio TX, June ’09.

“Endocarditis and Patient Education Brochure, University Health System, San Antonio TX, August ’09.


Venous Thromboembolism.” Pharmacotherapy for Primary Care, Linn, O’Rourke, Posey, and Wofford (eds), McGraw-Hill Publishing, Inc., ‘09. (Chapter)


Division of Pharmacy Administration

Barner, Jamie C.


Brinkley Jr, Fred S.


Brown, Carolyn M.


(Brown, Johnsrd) “A Comprehensive Descriptive Analysis of ADHD Medication Treatment Patterns within the Texas Medicaid Program.” Shire Pharmaceuticals, 95 pp., April ’09.

(Popovich) “Generic Substitution of Narrow Therapeutic Index Drugs.” U.S. Pharmacist, June ’09.


Rascatri, Karen L.

(Introducao a Farmacoemodiologia (Portuguese translation), Atencao Primaria, Alegre, Brazil, ’09.


Lawson, Kenneth A.


(Crimson, Johnsrd) “A Comprehensive Descriptive Analysis of ADHD Medication Treatment Patterns within the Texas Medicaid Program.” Shire Pharmaceuticals, 95 pp., April ’09.

(Popovich) “Generic Substitution of Narrow Therapeutic Index Drugs.” U.S. Pharmacist, June ’09.


(Crimson, Johnsrd) “A Comprehensive Descriptive Analysis of ADHD Medication Treatment Patterns within the Texas Medicaid Program.” Shire Pharmaceuticals, 95 pp., April ’09.
Division of Pharmacy Practice

Acosta, W. René

"LW's Pharmacology Made Incredibly Easy for the Pharmacy Technician." Lippincott Williams & Wilkins – Subject Matter Expert/Content Editor, Oct. ’09.

Barnes, James Nille


Barbee, Barry-Caban, Barry, Ward, Salyer


Borrás, Douglas


Strassels, Scott


(Bain, Maxwell, Whellan) “Hospice Use Among Patients with Heart Failure.” American Heart Journal 158, pp. 118-25, ’09.


(Burzynski) “Chronic Pain.” Primary Care Pharmacotherapy, (Linn, O’Rourke, ed.), New York; McGraw Hill, ’08.


Wilson, James


El Paso Cooperative Program

Gonzalez-Stuart


Loya Amanda M.


Padilla M.


Rivera Jose O.


(Loya, Gonzalez-Stuart) “Prevalence and Risks of Polypharmacy, Polyherbacy, and Nutritional Supplement Use among Older Adults in the Largest U.S. Mexican-


(Ho, Dominguez, Tyroh, Antony, Norte, Perez-Ruvalcaba) “Study of Methicillin-Resistant *Staphylococcus aureus* on the U.S./Mexico Border.” *Travel Medicine and Infectious Diseases* 7:1, pp. 30-34, Jan. ‘09.


(Hughes, Connery, Rivera) “Adequacy of Outpatient Care Among Hospitalized Adult Asthmatics in a South-west U.S. Border City.” *Texas Medicine* 104(10), pp.56-62, Oct. ‘08.

**Salcido A.L.**


(Haltiwanger) “Bipolar Disorder Programs Offered.” *El Paso Times Healthy Living Section*, June ‘08.

**Sias Jeri**


(O’Connell, Rickles, Kornor) “Cultural Competency in Health Care and Its Implications for Pharmacy Part 2: Emphasis on Pharmacy Systems and Practice.” *Pharma-