

AGENCIES FUNDING COP SCHOLARLY ACTIVITIES

PUBLIC

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Inspire Pharmaceuticals

American Pharmacists Association

PUBLICATIONS:

2008

1. Graciano ML, Nishiyama A, **Jackson KE**, Seth DM, Ortiz RM, Prieto-Carrasquero M, Kobori H, Navar LG. Purinergic Receptors Contribute to Early Mesangial Cell Transformation and Renal Vessel Hypertrophy during Angiotensin II-Induced Hypertension. Am J Physiol Renal Physiol. 2008; 294 F161-F169.
2. Hussein SMA, Sangster G, Elazab N, **Tice H**, McVie R, Ibrahim H. Visual Diagnosis: Right Lower Extremity Swelling. NeoReviews. Jan 2008; 9: e51.

2007

1. Arif JM, Sawant SS, **El Sayed KA**, Kunhi M, Subramanian MP, Siddiqui YM, Youssef DTA, Al-Hussain K, Mohammed N, Al-Ahdal MN, Al-Khodairy F. Antiproliferative potential of sarcophine and its semisynthetic sulfur-containing derivatives against human mammary carcinoma cell lines. Journal of Natural Medicines. 2007; 61:154-158.
2. Calabrese EJ, Bachmann KA, Bailer AJ, Bolger PM, Borak J, Cai L, Cedergreen N, Cherian MG, Chiueh CC, Clarkson TW, Cook RR, Diamond DM, Doolittle DJ, Dorato MA, Duke SO, Feinendegen L, Gardner DE, Hart RW, Hastings KL, Hayes AW, Hoffmann GR, Ives JA, Jaworowski Z, Johnson TE, Jonas WB, Kaminski NE, Keller JG, Klaunig JE, Knudsen TB, Kozumbo WJ, Lettieri T, Liu S, Maisseu A, Maynard KI, Masoro EJ, McClellan RO, **Mehendale HM**, Mothersill C, Newlin DB, Nigg HN, Oehme FW, Phalen RF, Philbert MA, Rattan S, Riviere JE, Rodricks J, Sapolsky RM, Scott BR, Seymour C, Sinclair DA, Smith-Sonneborn J, Snow ET, Spear L, Stevenson DE, Thomas Y, Tubiana M, Williams GM, Matton MP. Biological stress response terminology: Integrating the concepts of adaptive response and preconditioning stress within a hormetic dose-response framework. Toxicol. Appl. Pharmacol. 2007; 222:122-128.
3. Cheng W, **Jois SD**, Lim LY. Aqueous-soluble, non-reversible lipid conjugate of salmon calcitonin: synthesis, characterization and in vivo activity. Pharm. Res. 2007; 24:99-110.
4. Chilakapati J, Korrapati MC, **Hill RA**, Warbritton A, Latendresse JR, **Mehendale HM**. Toxicokinetics and toxicity of thioacetamide sulfoxide: a metabolite of thioacetamide. Toxicology. 2007; 230:105-116.
5. Chilakapati J, Korrapati MC, Shankar K, **Hill RA**, Warbritton A, Latendresse JR, **Mehendale, H. M.** Role of CYP2E1 and saturation kinetics in the bioactivation of thioacetamide: Effects of diet restriction and phenobarbital. Toxicol. Appl. Pharmacol. 2007; 219:72-84.
6. Devarakonda B, Otto DP, Judefeind A, **Hill RA**, de Villiers MM.* Effect of pH on the solubility and release of furosemide from polyamidoamine (PAMAM) dendrimer complexes. International Journal of Pharmaceutics. 2007; 345:142–153.

7. Donthamsetty S, Bhave VS, Mitra MS, Latendresse JR, **Mehendale HM**. Nonalcoholic fatty liver sensitizes rats to carbon tetrachloride hepatotoxicity. Hepatology. 2007; 45:391-403.
8. **Evans E**, Patel M, Stranton D. Student pharmacists' knowledge and attitudes regarding oral emergency contraception. J Am Pharm Assoc. November/December 2007; 47(6):711-6.
9. Heimbach T, Fleisher D, **Kaddoumi A**. Overcoming poor aqueous solubility of drugs for oral delivery. In Prodrugs: Challenges and rewards. Editors: Stella V., Borchardt R.T., Hageman M.J., Oliyai R., Tilley J.W., and Maag H. AAPS Press, Arlington, VA. Part 1, 2007; 157-216.
10. Ibrahim H, Elganieny N, Awad H, Hussain S, **Tice H**, Sangster G. Visual Diagnosis: Macrocephaly, Short Extremities, and Bell-shaped Thorax in a Term Newborn. NeoReviews, Nov 2007; 8: e506.
11. Ibrahim H, Lewis D, Harrison GK, **Tice H**, Sangster G. Congenital ovarian cyst. Journal of Perinatology. 2007 Aug; 27(8):523-6.
12. Ibrahim H, **Tice H**, Sangster G, et. al. Visual diagnosis: A 3-week-old preterm infant who has severe lung disease. NeoReviews. 2007;8(2):e96.
13. Ibrahim H, Sangster G, Hollister ME, **Tice H**, Gonzalez E, Bienvenu D. Index of Suspicion in the Nursery. NeoReviews. 2007;8(5):e222-224.
14. Ibrahim SRM, Badr JM, **El Sayed KA**, Youssef DTA. A new cytotoxic sesquiterpene and three anti-inflammatory flavonoids of the Egyptian Tanacetum santolinoides. Natural Product Communications. 2007; 2:1071-1074.
15. Jain S, Laphookhieo S, Shi Z, Fu L, Akiyama S, Chen ZS, Youssef DTA, van Soest RWM, **El Sayed KA**. Reversal of P-glycoprotein-mediated multidrug resistance by sipholane triterpenoids. Journal of Natural Products. 2007; 70:928-931.
16. Jain S, Shirode A, Yacoub S, Barbo A, **Sylvester PW**, Huntimer E, Halaweish F, **El Sayed KA**. Biocatalysis of the anticancer sipholane triterpenoids. Planta Medica. 2007; 70:591-596.
17. **Kaddoumi A**, Kinman L, Choi S, Whittington D, Tsai C, Ho RJ, Anderson BD, Unadkat JD. Inhibition of P-glycoprotein Activity at the Primate Blood-Brain Barrier Increases the Distribution of Nelfinavir into the Brain but Not into the Cerebrospinal Fluid. Drug Metabolism and Disposition. 2007; 35:1459-1462.
18. Kang TS, Radic Z, Talley TT, **Jois SD**, Taylor P, Kini RM. Protein Folding Determinants: Structural Features Determining Alternative Disulfide Pairing in alpha- and chi/lambda-Conotoxins. Biochemistry. 2007; 46: 3338-3355.
19. Korrapati MC, Chilakapati J, Witzmann FA, Lock EA, **Mehendale HM**. Proteomics of S-(1,2-dichlorovinyl)-L-cysteine-induced acute renal failure and autoprotection in mice. Amer. J. Physiol. Renal Physiol. 2007; 293:F994-F1006.

20. **Laburzzo B**, Edgerton L. What is the preferred treatment for a child with mild persistent asthma? J Fam Pract. February 2007; 56(2): 137-9.
21. Li C, **Jois SD**. Structure-function studies of peptides for cell adhesion inhibition: Identification of key residues by alanine mutation and peptide-truncation approach. Peptides. 2007; 28:1498-1508.
22. Liu J, Li C, Ke S, **Jois SD**. Structure-Based Rational Design of beta-Hairpin Peptides from Discontinuous Epitopes of Cluster of Differentiation 2 (CD2) Protein to Modulate Cell Adhesion Interaction. J Med Chem. 2007; 50: 4038-4047.
23. Mitra M, Donthamsetty S, White B, Latendresse JR, **Mehendale HM**. Mechanism of protection of moderately diet restricted rats against doxorubicin-induced acute cardiotoxicity. Toxicol. Appl. Pharmacol. 2007; 225:90-101.
24. Nelson A, Godwin H, Gourley D, Lee M, Pieper J, **Pritchard L**, Stowe C, Taylor C. Final Report Dean's Council Task Force on Post Graduate Pharmacy (Residency) Education, July 2007, American Journal of Pharmaceutical Education 2007; 71 (4) Article S06: 1-14.
25. Orabi KY, **EI Sayed KA**. Biocatalytic studies of the furanocoumarins angelicin and chalepentin. Natural Product Communications. 2007; 2:565-569.
26. Osman M, Hay SA, **Tice H**, Sangster G, and Ibrahim H. Visual Diagnosis: A Newborn Presents With a Scrotal Mass. NeoReviews. Jun 2007; 8: e268.
27. Philip BK, Mumtaz MM, Latendresse JR, **Mehendale HM**. Impact of repeated exposure on toxicity of perchloroethylene in Swiss Webster mice. Toxicology. 2007; 232:1-14.
28. Pinnoji RC, Bedadala GR, George B, Holland TC, Hill JM, **Hsia SC**. Repressor element-1 silencing transcription factor/neuronal restrictive silencer factor (REST/NRSF) can regulate HSV-1 immediate-early transcription via histone modification. Virology. 2007 Jun 7; 4:56.
29. Sawant SP, Dnyanmote AV, Pezzoli P, Vansant G, **Mehendale HM**. Mechanisms of inhibited liver tissue repair in toxicant challenged type 2 diabetic rats. Toxicology. 2007; 232:200-215.
30. Shi Z, Jain S, Kim IW, Peng XX, Abraham, I, Fu L, Youssef DT, **EI Sayed KA**, Ambudkar SV, Gottesman MM, Chen ZS. Sipholenol A, a marine-derived siphonane triterpene, potently reverses P-glycoprotein-mediated (ABCB1)-mediated multidrug resistance in cancer cells. Cancer Science. 2007; 98:1373-1380.
31. Thwin MM, **Jois SD**, Nagarajarao LM, Sato K, Arjunan P, Ramapatna SL, Kumar PV, Gopalakrishnakone P. Novel Peptide Inhibitors of Human Secretory Phospholipase A2 with Anti-inflammatory Activity: Solution Structure and Molecular Modeling. J Med Chem. Nov 1, 2007; [Epub ahead of print].

32. Zharikova OL, Ravindran S, Nanovskaya TN, **Hill RA**, Hankins GDV, Ahmed MS.* Kinetics of glyburide metabolism by hepatic and placental microsomes of human and baboon. Biochemical Pharmacology. 2007; 73, 2012–2019.

2006

1. **Akins RL**, Haase M and Levy E. Pharmacokinetic analysis of daptomycin in a critically ill adolescent with vancomycin-resistant enterococcal endocarditis. Pharmacotherapy. 2006; 26(5):694-698.
2. Anand SS, Philip BK, Palkar PS, Mumtaz MM, Latendresse JR, **Mehendale HM**. Adaptive resistance in mice upon subchronic exposure to chloroform: increased exhalation and target tissue regeneration. Toxicol. Appl. Pharmacol. 2006; 213: 267-281.
3. Chia SL, Tan WS, Shaari K, Abdul Rahman N, Yusoff K, **Jois SD**. Structural analysis of peptides that interact with Newcastle disease virus. Peptides. 2006; 27:1217-1225.
4. **Cockerham M**, Munker, R. (2006). Glossary of Cytostatic Drugs and Targeted Therapies. In Modern Hematology: Biological and Clinical Management 2nd Ed. pp. 441. Humana Press.
5. Devi S, Philip BK, Warbritton A, Latendresse JR, **Mehendale HM**. Prior administration of thioacetamide protects type 1 diabetic rats from subsequent administration of lethal dose of thioacetamide. Toxicology. 2006; 226:107-117.
6. Dnyanmote AV, Sawant SP, Lock EA, Latendresse JR, **Mehendale HM**. Diabetic mice are protected from normally lethal nephropathy of 1, 2-dichlorovinyl –L-cysteine (DCVC): role of nephrogenic tissue repair. Toxicol. Appl. Pharmacol. 2006; 211: 133-147.
7. Dnyanmote AV, Sawant SW, Lock EA, Latendresse JR, Warbritton A, **Mehendale HM**. Calpastatin overexpression prevents progression of S-1,2-dichlorovinyl-L-cysteine (DCVC)-initiated renal injury and renal failure in diabetes. Toxicol. Appl. Pharmacol. 2006; 215:146-157.
8. Fasano WJ, **Baer KN**. The In Vitro permeability coefficient and short-term absorption rates for vinyl toluene using human cadaver skin mounted in a static diffusion cell model. Drug and Chemical Toxicology. 2006; 29:39-55.
9. He L, Simmen FA, **Mehendale HM**, Ronis MJJ, Badger TM. Chronic ethanol intake impairs insulin signaling in rats by disrupting Akt association with the cell membrane. J. Biol. Chem., 2006; 281(16):11126-11134.
10. **Hussain A**, Majumder QH, Ahsan F. Inhaled insulin is better absorbed when administered as a dry powder compared to solution in the presence or absence of alkylglycosides. Pharmaceutical Research. 2006; 23(1):138-147.
11. Iczkowski KA, Omara-Opyene AL, **Shah GV**. The predominant CD44 splice variant in prostate cancer binds fibronectin, and calcitonin stimulates its expression. Anticancer Research 2006; 26(4B):2863-72.

12. Ibrahim H, **Tice H**, Sangster G. Visual Diagnosis: Upper gastrointestinal tract mass and respiratory failure in a newborn. NeoReviews. 2006; 7(12):e637.
13. Johnson FK, Johnson RA, Durante W, **Jackson KE**, Stevenson BK, Peyton KJ. Metabolic syndrome increases endogenous carbon monoxide production to promote hypertension and endothelial dysfunction in obese Zucker rats. Am J Physiol Regul Integr Comp Physiol. 2006 Mar; 290(3):R601-8.
14. **Jois SD**, Nagarajarao LM, Prabhakaran M, Balasubramaniam A. Modeling of neuropeptide receptors Y1, Y4, Y5 and docking studies with neuropeptide antagonist analogues: Implications for selectivity. J Biomol Str Dyn. 2006; 23: 497-508.
15. **Jois SD**, Jining L, Nagarajarao LM. Targeting T-cell adhesion molecules for drug –design. Curr Pharm Des. 2006; 12:2797-812.
16. Juan W, Ping X, Jiang L, Sun SR, **Liu YY**. Expression of glucosylceramide synthase in breast cancer. J Birth Health & Heredity. 2006; 14(1):29-30.
17. **Kaddoumi A**, Fleisher D, Heimbach T, Li LY, Cole S. P-glycoprotein Mediated Transport and CYP3A Metabolism of UK-343,664 in Rat Jejunum versus Ileum: Possible Role in Dose-Dependent Pharmacokinetics. Journal of Pharmaceutical Sciences. 2006; 95:435-445.
18. Kang TS, **Jois SD**, Kini RM. Solution structures of two structural isoforms of CMrVIA chi/lambda-conotoxin. Biomacromolecules. 2006; 7:2337-46.
19. Korrapati MC, Chilakapati J, Lock EA, Latendresse JR, Warbritton A, **Mehendale HM**. Preplaced cell division – a critical mechanism of dichlorovinyl-L-cysteine-induced autoprotection in mice. Amer. J. Physiol. Renal Physiol. 2006; 291:F439-F455.
20. Kurepa D, **Tice H**, Sangster G, Kayass AA, Ibrahim H. Index of suspicion in the nursery. NeoReviews. Nov 2006; 7:e586 - e589.
21. Limaye PB, Apte UM, Yu S, Bhave VS, Palkar PS, Sawant SP, Latendresse JR, Reddy JK, **Mehendale HM**. Upregulation of calpastatin in regenerating and developing liver: role in resistance against hepatotoxicity. Hepatology. 2006; 44:379-388.
22. **Nazzal S***, Khan MA. Controlled release of a self-emulsifying formulation from a tablet dosage form: Stability assessment and optimization of some processing parameters. International Journal of Pharmaceutics. 2006; 315:110–121.
23. Nishiyama A, Majid DS, **Jackson KE**, Rahman M, Navar LG. Renal interstitial fluid ATP responses to arterial pressure and tubuloglomerular feedback activation during calcium channel blockade. Am J Physiol Heart Circ Physiol. 2006 Feb; 290(2):H772-7.
24. Perkins E, Bao W, Guan X, Ang C-Y, Wolfinger RD, Chu T-M, Gong P, **Meyer SA**, Inouye L. Comparison of gene expression effects in liver tissue and primary

hepatocyte cell cultures after exposure to hexahydro-1,3,5-trinitro-1,3,5-triazine. BMC Bioinformatics. 2006; 7(Suppl 4):S22-28.

25. Philip BK, Anand SS, Palkar PS, Mumtaz MM, Latendresse JR, **Mehendale HM**. Subchronic chloroform priming protects mice from a subsequently administered lethal dose of chloroform. Toxicol. Appl. Pharmacol. 2006; 216:108-121.
26. Reddy RN, Latendresse JR, **Mehendale HM**. Colchicine antimitosis causes progression of S-(1,2-dichlorovinyl) L-cysteine-induced injury leading to acute renal failure and death in mice. Toxicology, 2006; 220:147-159.
27. Sawant SP, Dnyanmote AV, Warbritton A, Latendresse JR, **Mehendale HM**. Type 2 diabetic rats are sensitive to thioacetamide hepatotoxicity. Toxicol. Appl. Pharmacol. 2006; 211: 221-232.
28. Sawant SP, Dnyanmote AV, Mitra M, Chilakapati J, Warbritton A, Latendresse JR, **Mehendale HM**. Protective effect of Type 2 diabetes on acetaminophen-induced hepatotoxicity in male Swiss Webster mice. J. Pharmacol. Exp. Ther. 2006; 316: 507-519.
29. Sawant SS, Youssef DTA, Reiland J, Ferniz M, Marchetti D, **El Sayed KA**. Biocatalytic and antimetastatic studies on the Red Sea soft coral Sarcophyton glaucum terpenes. Journal of Natural Products. 2006; 69, 1010-1013.
30. Schulte MK,* **Hill RA**,* Bikádi Z* Maksay G, Parihar HS, Joshi P, Suryanarayanan A. The structural basis of ligand interactions in the 5-HT₃ receptor binding site. In Biological and Biophysical Aspects of Ligand-Gated Ion Channel Receptor Superfamilies. Arias, Hugo R., editor. (Research Signpost Press, 2006, ISBN 81-7736-254-2), pp 127–154.
31. Selvan R, Zharikova, OL, **Hill RA**, Nanovskaya TN, Hankins GDV, Ahmed MS.* Identification of Glyburide Metabolites formed by Hepatic and Placental Microsomes of Humans and Baboons. Biochemical Pharmacology, 2006; 72, 1730–1737.
32. Wada M, Kurogi R, **Kaddoumi A**, Nakashima MN, Nakashima K, Pentazocine Monitoring in Rat Hair and Plasma by HPLC-Fluorescence Detection with DIB-Cl. Luminescence. 2006; 22:157-162.
33. Yang T, **Hussain A**, Bai S, Khalil IA, Harashima H, Ahsan F. Positively charged polyethylenimines enhance nasal absorption of the negatively charged drug, low molecular weight heparin. Journal of Controlled Release. 2006; 115(3):289-297.

2005

1. Ajikumar PK, Vivekanandan S, Lakshminarayanan R, **Jois SD**, Kini RM, Valiyaveetil S. Mimicking the Function of Eggshell Matrix Proteins: Role of Multiplets of Charged Amino Acid Residues and Self-Assembly of Peptides in Biomineralization. Angew Chemie Intl. 2005; 44:5476-5479.
2. **Akins RL**, Coyle EA, Levison ME, Verhoef J. Clindamycin Chapter. Antimicrobial Therapy and Vaccines Volume II: Antimicrobial Agents, 2nd Ed. 2005, 181-147.

3. **Akins RL** Haase KK. Gram-Positive Resistance: Pathogens, Implications and Treatment Options: Insights from the Society of Infectious Diseases Pharmacists. Pharmacotherapy 2005; 25(7):1001-1010.
4. Anand SS, Mumtaz MM, **Mehendale HM**. Liver tissue repair is dose-dependent in chloroform plus trichloroethylene sub-additive liver injury. Basic Clin. Pharmacol. Toxicol. 2005; 96: 436-444.
5. Anand SS, Mumtaz MM, **Mehendale HM**. Dose-dependent liver tissue repair in chloroform, trichloroethylene and allyl alcohol ternary mixture hepatotoxicity. Arch. Toxicol. 79: 671-682.
6. Devarakonda B, **Hill RA**, Liebenberg W, Brits M, De Villiers MM.* Comparison of the aqueous solubilization of practically insoluble niclosamide by polyamidoamine (PAMAM) dendrimers and cyclodextrins. International Journal of Pharmaceutics. 2005; 304:193-209.
7. **Fontenot TM**, Ramsey LA. Angiotensin II receptor blockers: uses beyond hypertension. Advance for Nurse Practitioners January 2005; 13(1) 27-30
8. Gouaze V, **Liu YY**, Prickett CS, Giuliano AE, Cabot MC. Glucosylceramide synthase blockade downregulates P-glycoprotein and resensitizes multidrug-resistant breast cancer cells to anticancer drugs. Cancer Res. 2005; 65:3861-3867.
9. Haase KK, McCracken K, **Akins RL**. Catheter-Related Bloodstream Infections in the Intensive Care Unit Population. Journal of Pharmacy Practice. 2005; 18(1):42-52.
10. Hawkins DW, **Evans JD**. Minimizing the risk of heparin-induced osteoporosis during pregnancy. Expert Opin Drug Saf. 2005 May; 4(3):583-90.
11. **Hussain A**, Ahsan F. The vagina as a route for systemic drug delivery. Journal of Controlled Release. 2005; 103(2):301-313.
12. **Hussain A**, Ahsan F. State of insulin self association does not affect its absorption from the pulmonary route. European Journal of Pharmaceutical Sciences, 2005; 25(2-3):289-298.
13. Iczkowski KA, Omara-Opyene AL, Kulkarni T, **Shah GV**. Gsalpha activity is linked to CD44 Variant and Matrix metalloprotease 9 expression and invasion in prostate cancer. Anticancer Research. 2005; 25(3B):2075-83.
14. Iczkowski KA, Omara-Opyene AL, Pansara M, **Shah GV**. Paracrine calcitonin in prostate cancer is linked to CD44 variant expression and invasion. Anticancer Research. 2005, 25(3B):2075-83.
15. Kang TS, Vivekanandan S, **Jois SD**, Kini RM. Effect of C-terminal amidation on folding and disulfide-pairing of alpha-conotoxin Iml Angew Chemie Intl. 2005; 44:6333-6337.
16. Korrapati MC, Lock EA, **Mehendale HM**. Molecular mechanisms of enhanced cell division in protection against 1,2- dichlorovinyl-L-cysteine-induced acute renal failure and death. Amer. J. Physiol. Renal Physiol. 2005; 289: F175-F185.

17. Liu J, Ying J, Chow VT, Hruby VJ, **Jois SD**. Structure-activity studies of peptides from hot-spot region of human CD2 protein: Development of peptides for immunomodulation. J Med Chem. 2005; 48: 6236-49.
18. Majid DS, Nishiyama A, **Jackson KE**, Castillo A. Superoxide scavenging attenuates renal responses to angiotensin ii during nitric oxide synthase inhibition in anesthetized dogs. Am J Physiol Renal Physiol. 2005 Feb; 288(2):F412-9.
19. **Meyer SA**, Marchand AJ, Hight JL, Roberts GH, Inouye LS, Escalon LB, MacMillan DK. Up-and-down procedure (UDP) determination of acute toxicity of nitroso degradation products of hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX). J Appl Toxicol. 2005; 25:427-434.
20. Ren Y, Kulkarni TR, Wei F **Shah GV**. Targeted overexpression of pituitary calcitonin in gonadotrophs of transgenic mice leads to chronic hypoprolactinemia. Mol. Cell. Endocrinology. 2005; 229:193-204.
21. Sabbiseti VS, Vaidya KS, Thomas S, Chiriva-Internati M, Reardon D, Iczkowsky K, **Shah GV**. Calcitonin Increases Invasiveness of Prostate Cancer Cells: role for cyclic AMP-dependent protein kinase A in calcitonin action. Int. J. Cancer. 2005; 117:551-560.
22. Sokos DR, **Leader WG**. Chapter 55: Hypokalemia and Hypomagnesemia: Double Trouble. In: Pharmacotherapy Casebook: A Patient-Focused Approach, 6th ed. Schwinghammer TL, editor. McGraw-Hill, Inc., New York. 2005, pages 161-3. (and case answer published on CD-ROM)
23. Stranton D, **Evans E**. Plan B—the facts behind the controversy. U.S. Pharmacist. September 2005 (September); 41-53.
24. Sulochana KN, Fan H, **Jois SD**, Subramanian V, Sun F, Kini RM, Ge R. Peptides derived from human decorin leucine rich repeat 5 inhibit angiogenesis. J. Biol. Chem. 2005; 280:27935-27948.
25. Teran FJ, Johnson RA, Stevenson BK, Peyton KJ, **Jackson KE**, Appleton S., Durante W, Johnson FK. Heme oxygenase-derived carbon monoxide promotes arteriolar endothelial dysfunction and contributes to salt-induced hypertension in Dahl salt-sensitive rats. Am J Physiol Regul Integr Comp Physiol. 2005 Mar; 288(3):R615-22.

PRESENTATIONS

2007

1. Agarwal V, **Nazzal S**, Siddiqui A, Ali H, Moe D. Solid self-emulsified drug delivery systems (S-SEDDS): the effect of silica adsorbent on drug release. AAPS Annual Meeting, San Diego, 2007
2. Ali H, **Nazzal S**. A comparative study between lipolysis and physical characterization as alternative methods for the in vitro assessment of self-emulsifying drug delivery systems (SEDDS). AAPS Annual Meeting, San Diego, 2007
3. Ali H, **Nazzal S**. The effect of mono and divalent salts and their rate of addition on lipolysis rate of self emulsifying drug delivery systems (SEDDS). AAPS Annual Meeting, San Diego, 2007
4. Amancha K, Balkundi S, Lvov Y, **Hussain A**. Release of insulin from halloysite nanotubes following their delivery via different routes of administration. AAPS Annual Meeting & Exposition. San Diego, CA. Nov 11-15, 2007.
5. Balkundi S, Amancha K, Lvov Y, **Hussain A**. Electrostatic layer-by-layer nanoassembly of polyions for sustained release of parathyroid hormone. AAPS Annual Meeting & Exposition. San Diego, CA. Nov 11-15, 2007.
6. Brown JW, Calmes HM, Johnson J, Knecht P, **Gauthier-Lewis MG**. Standardized Physician Order Forms to Improve Prescribing, Minimize Errors, Reduce Cost and Provide Staff Education. LSHP 64th Annual Meeting, New Orleans, La, April 26-28, 2007 (Poster)
7. Bryant A, **Evans E**, **Cockerham M**. Implementation of a new blood factor products order form and pharmacy dispensation process. ASHP Midyear Clinical Meeting, Las Vegas, Nevada, December 2007.
8. Cox H, Anderson L, **Sorrells K**, Hall J, Abdoho P. Evaluation of a Radiocontrast Order Review Process. ALCALDE Residency Conference, San Antonio, TX April 20, 2007.
9. **Evans E**, Patel M, Stranton D. Pharmacy students' knowledge and attitudes regarding oral emergency contraception. APhA Annual Convention, Atlanta, Georgia, March 18, 2007 (Final data)
10. **Evans JD**, Patel MP, Woods MM, Loughney DG Seasonal differences in percentage of INRs within goal range. APhA Annual Meeting, March 18, 2007
11. Eyal S, Chung F, Muzi M, Hsiao P, **Kaddoumi A**, Link JM, Mankoff DA, Unadkat JD. In vitro to in vivo prediction of P-glycoprotein drug interactions at the Primate Blood-Brain (BBB) and the Blood-Placental Barrier (BPB): An OPRU and UW SCOR Study. AAPS Annual Meeting, 11-15 November 2007. San Diego, CA.

12. Giddu S, **Jois SD**, Liu J. Design of β -hairpin peptides from CD2 protein to modulate T-cell adhesion interaction. May 20-22nd 2007, MALTO Annual meeting, Monroe LA USA.
13. Hsiao P, Eyal S, Muzi M, Chung F, **Kaddoumi A**, Link JM, Mankoff DA, Bui T, Ho RJY, Unadkat JD. In vitro to in vivo prediction of P-gp based drug interactions at the human blood-brain barrier. 4th World Conference on Drug Absorption, Transport and Delivery, 20-22 June, 2007. Kanazawa, Japan.
14. Jain S, Shi Z, Chen Z-S, **El Sayed K**. Reversal of P-glycoprotein-mediated multidrug resistance by sipholane triterpenoids. The 34th Annual MALTO Medicinal Chemistry-Pharmacognosy Meeting, May 20-22, 2007, Monroe, Louisiana.
15. Jain S, Shi Z, Chen Z-S, **El Sayed K**. Reversal of P-glycoprotein-mediated multidrug resistance by sipholane triterpenoids. 48th Annual Meeting of the American Society of Pharmacognosy, July 14-18, 2007, Portland, Maine.
16. **Kaddoumi A**, Kinman L, Choi S, Whittington D, Tsai C, Ho RJ, Anderson BD, Unadkat JD. Cerebrospinal fluid, Brain and Plasma Nelfinavir Levels Following Nelfinavir-Zosuquidar Administration in Nonhuman Primates. AAPS Annual Meeting, 11-15 November 2007. San Diego, CA.
17. Kale VM, Aycock MM, Wilbanks MS, Perkins E, Inouye LS, **Meyer SA**. Hematotoxicity of munititons compound hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) and environmental degradation product MNX. 2007 Society of Toxicology, Charlotte, NC.
18. **Manor SM, Sorrells K, Parish RC, Cox H, Ranzino AM**. Effect of Pharmacist Education on Accurate Dosing of Dalteparin in an Inpatient Setting. APhA Annual Meeting, March 2007- Atlanta, GA. (Poster)
19. Meshali M, Abdel-Aleem H, Sakr F, El-Malah Y, **Nazzal S**. Effect of formulation composition of the coupling agent on the in-vitro transdermal transport of NSAIDs by phonophoresis. AAPS Annual Meeting, San Diego, 2007
20. Pickett C, Landis S, **Biglane G, Baggarly S, Evans E**, Jackson D, Nassif D. Inappropriate discontinuation of statin therapy: Results of a telephone survey. ASHP Midyear Clinical Meeting, Las Vegas, Nevada, December 2007.
21. Perkins EJ, Escalon BL, Guan X, **Meyer SA**. Genomic analysis of the response and recovery of rat brain from chemically induced seizures. EPA 2007 International Science Forum on Computational Toxicology, May 21-23, 2007, Research Triangle Park, NC.
22. **Ranzino AM, Sorrells K, Manor SM, Parish RC**, Cullinan PC, Hall JM. Assessing the Impact of Statin Therapy on Ventilator-Associated Biotrauma. ALCALDE Residency Conference, San Antonio, TX, April 2007.
23. Shi Z, Jain S, Kim I, Peng XX, Abraham I, Fu L, Youssef DTA, **El Sayed KA**, Ambudkar S, Chen ZS. Sipholenol A, a marine-derived sipholane triterpene, potently reverse P-glycoprotein mediated MDR in cancer cells. American

Association for Cancer Research Annual Meeting, April 14-18, 2007, Los Angeles California.

24. Siddiqui y, H. Ali H, **Nazzal S**, Agarwal V. The use of powder rheometer to study flow behavior of self-emulsifying drug delivery systems (SEDDS) adsorbed on silica or silicates. AAPS Annual Meeting, San Diego, 2007

2006

1. Balkundi S, Lvov Y, **Hussain A**. Sustained release of insulin formulation using LbL electrostatic self assembly technique. 7th LA Materials and Emerging Technologies Conference, Baton Rouge, LA. Oct 23-24, 2006.
2. Balkundi S, Lvov Y, **Hussain A**. Encapsulation using layer by layer assembly of polyions for the sustained release of therapeutic proteins. 62nd Southwest Regional Meeting, Houston, TX. Oct 19-22, 2006.
3. Chung F, Link JM, Muzi M, Mankoff DA, Eyal S, **Kaddoumi A**, Shoner SC, Unadkat JD. PET Imaging of Inhibition of P-glycoprotein (P-gp) Activity at the Blood-Placental and Blood-Brain Barrier in the Pregnant Macaca Nemestrina: An OPRU* Study. AAPS Annual Meeting, 29 October-2 November, 2006. San Antonio, Texas, USA.
4. Cox H, **Cockerham M**, Anderson L. Evaluation of Radiocontrast Order Review Process, American Society of Health-System Pharmacists Midyear Clinical Meeting, Anaheim, CA. (December 4, 2006).
5. **El Sayed K**, Barbo A, Brode R, Bagaley D, Rainey FA. A study of symbiotic microorganisms associated with the Red Sea sponges *Negombata magnifica* and *Siphonochalina siphonella*. Marine Natural Products Gordon Research Conference, February 26-March 2, 2006, Ventura, CA.
6. **El Sayed K**, Boakye E, Bagaley E, Rainey F, Wali V, **Sylvester PW**. (2006) Anticancer phenazines and diketopiperazines from the symbiotic marine actinobacteria *pelagiobacter* and *kocuria* species. 47th Annual Meeting of the American Society of Pharmacognosy. Abstract #P-276.
7. **El Sayed K**, Yousaf M, Prestridge J, Sawant S, Wali V, Sylvester P, Steffen R, Mueller, W. Biocatalytic and semisynthetic studies of anticancer tobacco cembranoids. 47th Annual Meeting of the American Society of Pharmacognosy, August 5-9, 2006, Arlington, Virginia.
8. **Evans E**, Patel M, Stranton D. Pharmacy students' knowledge and attitudes regarding oral emergency contraception. GPhA Annual Convention, Sandestin, Florida, June 11, 2006. (Preliminary data)
9. **Evans E**, Hall J, Bilek A. Frequency of potentially severe drug-drug interactions and the relationship with the number of prescribers. GPhA Annual Convention, Sandestin, Florida, June 11, 2006. (Preliminary data)

10. **Evans JD**, Woods MM. Economic comparison of other healthcare providers and pharmacist providers in an internal medicine clinic using evaluation and management codes. APhA Annual Meeting, March 17, 2006.
- 11.
12. **Jacobs TF**, Henry C, Thibodeaux C, Fort AT. Assessment of patient satisfaction with clinical pharmacy services in a family medicine pain management clinic. American Association of Colleges of Pharmacy Annual Meeting. Lake Buena Vista, FL, July 14-18, 2007. abstract
13. Houston LM, Rout B, Dymnikov AD, **Briski KP***, Glass, GA. Pseudo-Tomography: Optimizing Reconstruction of 3-Dimensional Images from STIM Data. 19th Conference on the Application of Accelerators in Research and Industry. August 22-25; Invited Oral Presentation; Abst. 394: Session IBA03 (Nuclear Microprobe Applications) (2006).
14. **Jackson KE**, Johnson FK, Navar LG, Johnson RA. Restoration of endothelial function in obese Zucker rats. IDEA conference, June 10, 2006. Washington DC.
15. Laphookhieo S, Famakinwa I, Yousaf M, Shirode A, Wali V, **Sylvester P, El Sayed K**. Biocatalytic and semisynthetic optimization of the anticancer tobacco cembranoids. Annual Meeting South Central Chapter of the Society of Toxicology, October 12-13, 2006, Monroe, Louisiana.
16. Li C, **Jois SD**. Structure-activity study of β -turn peptides designed as potential Immunomodulators. May 1st 2006, Bio-research Day, Shreveport, LA USA.
17. **Liu YY**, Taback B, Yu JY, Xie P, Gouaze V, Giuliano AE, Cabot MC. Glucosylceramide synthase, a modulator of drug resistance is overexpressed in metastatic breast cancer. Proceedings of the American Association for Cancer Research 2006; 46:1260.
18. Meshali M, Sakr F, El-Malah Y, **Nazzal S**. In-Vitro phonophoresis: Effect of ultrasound parameters on NSAIDs delivery across cellulose and rabbit skin membranes. AAPS Annual Meeting, San Antonio, November 2006 (The AAPS Journal Vol. 8, No. S2, Abstract M1293)
19. Meshali M, Abdel-Aleem H, Sakr F, **Nazzal S**, El-Malah Y. In-Vitro Phonophoresis of Some NSAIDS: Effect of ultrasound intensity and mode on drug transport. LA Tech, Biomedical Research Foundation, and LSUHSC-S: BIO Research Day, Shreveport, LA, April 2006.
20. Mikheev AM, Nabekura T, **Kaddoumi A**, Chung F, Unadkat JD. Placental P-glycoprotein regulation by Wnt pathway: a UW SCOR Study. AAPS Annual Meeting, 29 October-2 November, 2006. San Antonio, Texas, USA.
21. Prestridge J, Yousaf M, Wali V, **Sylvester P, El Sayed K**, Steffen R, Mueller W. Semisynthetic studies of the anticancer tobacco cembranoids. North Louisiana Partnership for Innovation Regional Research Day, Shreveport, Louisiana, May 1, 2006.

22. **Ranzino AM, Sorrells K, Manor SM, Parish RC**, Cullinan PC, Hall JM. Assessing the Impact of Statin Therapy on Ventilator-Associated Biotrauma. ASHP Midyear Meeting, Anaheim, CA, December 2006. (Poster)
23. Selvan R, Zharikova OL, **Hill RA**, Nanovskaya TN, Hankins GDV, Ahmed MS. Department of Obstetrics and Gynecology, University of Texas Medical Branch, Galveston, TX, USA. Abstracts, 62nd Southwest Regional Meeting of the American Chemical Society, Houston, TX, United States, October 19-22 (2006), SRM-614.
24. Selvan R, Zharikova OL, **Hill RA**, Nanovskaya TN, Hankins GDV, Ahmed MS.* Metabolism of Glyburide by Microsomes from Human Liver and Placenta: A Study by HPLC-MS. Abstract MEDI 56, poster presented at the 231st American Chemical Society National Meeting, March 26, 2006, Atlanta, GA.
25. Sawant S, Barbo A, Brode R, Yousef M, Jain S, Youssef D, Bagaley D, Rainey F, Marchetti D, **El Sayed K**. Novel marine-derived antibiotic and anticancer leads. Annual Louisiana Biomedical Research Network Meeting, February 10-12, 2006, Baton Rouge, LA
26. Sawant S, Youssef D, Sylvester S, Marchetti D, **El Sayed K**. Towards optimizing anticancer terpenes from the Red Sea Soft Coral Sarcophyton glaucum North Louisiana Partnership for Innovation Regional Research Day, Shreveport, Louisiana, May 1, 2006.
27. Sawant S, Youssef D, Sylvester S, Marchetti D, **El Sayed K**. Antimetastatic terpenes from the Red Sea Soft Coral Sarcophyton glaucum. 4th Annual Louisiana Biomedical Research Network Meeting, February 10-12, 2006, Baton Rouge, LA
28. Sawant S, Youssef D, Sylvester S, Marchetti D, **El Sayed K**. Towards optimizing anticancer terpenes from the Red Sea Soft Coral Sarcophyton glaucum. 47th Annual Meeting of the American Society of Pharmacognosy, August 5-9, 2006, Arlington, Virginia.

2005

1. **El Sayed K**, Sawant S, Marchetti D. Latrunculins revisited: New natural and semisynthetic bioactive latrunculins. LBRN 3rd Annual Retreat, Lafayette, Louisiana, February 2005.
2. **El Sayed K**, Galal A, Yacoub S, Huntimer E, Halaweish F. Biocatalytic and semisynthetic optimization of the antiangiogenic and anti-inflammatory marine sipholane triterpenes. 46th Annual Meeting of the American Society of Pharmacognosy, July 2005, Oregon State University, Corvallis, Oregon.
3. Gouaze V, Young S, Yu JY, **Liu YY**, Giuliano AE, Cabot MC. 2005. Relationship between glucosylceramide synthase and P-glycoprotein in drug resistant human

breast cancer cells. Era of Hope-Department of Defense Breast Cancer Research Program Meeting 2005; P66-8.

4. **Jackson KE**, Johnson FK, Moehlen M, Navar LG, Johnson RA. Heme-derived carbon monoxide promotes endothelial dysfunction and hypertension in obese Zucker rats. J Investig Med. 2005; 53:S264. (Abstract 62)
5. **Jackson KE**, Johnson FK, Navar LG, Johnson RA. L-arginine restores coronary endothelial function in obese Zucker rats. J Investig Med. 2005; 53:S265. (Abstract 65)
6. **Jackson KE**, Johnson FK, Hale SS, Moehlen M, Navar LG, Johnson RA. Endogenous carbon monoxide promotes endothelial dysfunction in obese Zucker rats. FASEB J. 2005; 19:A1237 (Abstract 687.16)
7. **Jackson KE**, Johnson FK, Navar LG, Johnson RA. Coronary endothelial function in obese Zucker rats is restored by L-arginine. FASEB J. 2005; 19:A634, (Abstract 364.17)
8. **Jacobs TM**, Ramsey LA, Bouldin M. "Implementation of a Pharmacist Immunization Service: Improvement in Documentation and Immunization Rates". American Pharmacists Association Annual Meeting. Orlando, FL. March 2005. accepted for podium presentation and published in *JAPhA*. March/April 2005; 45(2): 219-294. abstract
9. **Kaddoumi A**, Heimbach T, Gupta M, Leppanen J, Fleisher D. Regional Permeability of Entacapone and its Phosphate prodrug Using The In Situ Rat Intestinal Perfusion Model. AAPS Annual Meeting and Exposition. 6-10 November, 2005. Nashville, Tennessee, USA.
10. **Kaddoumi A**, Fleisher D, Cole S, P-glycoprotein Mediated Transport and CYP3A Metabolism of UK-343,664 in Rat Jejunum versus Ileum: Possible Role in Dose-Dependent Pharmacokinetics. AAPS workshop on drug transporters in ADME: from the bench to the bedside. 7-9 March, 2005. Parsippany, New Jersey, USA.
11. Liu J, Li C, Ke S, **Jois SD**. Structure-function studies of peptides for cell adhesion inhibition: Identification of key residues by alanine mutation and peptide-truncation approach. June 15-18, 2005, American Peptide Society symposium, San Diego, CA USA.
12. **Liu YY**, Yu JY, Giuliano AE, M.C. Cabot MC. Glucosylceramide synthase is a new therapeutic target for breast cancer. Era of Hope-Department of Defense Breast Cancer Research Program Meeting 2005; P66-11
13. **Liu YY**, Yu JY, Xie P, Giuliano AE, and Cabot MC. Glucosylceramide synthase (GCS) promoter-driven GCS gene suppression: a novel approach to target drug resistance. Proceedings of the American Association for Cancer Research 2005; 46:5087
14. McCracken KA, Haase KK, **Akins RL**. Characterization of community-acquired methicillin-resistant *Staphylococcus aureus* (CA-MRSA) infection and outcomes. Pharmacother. 2005; 25:1472 (abstr 178).

15. Sawant S, **Sylvester P**, Avery M, Desai P, Youssef D, **El Sayed K**. Semisynthetic and biocatalytic studies of cembranoids from the Red Sea soft coral *Sarcophyton glaucum*. 32nd MALTO Medicinal Chemistry-Pharmacognosy Meeting, Oxford, MS, May 2005.
16. Sawant S, **Sylvester, PW**, Avery M, Desai P, Youssef D, **El Sayed K**. (2005) Optimization of bioactive cembranoid leads from the Red Sea soft coral *sarcophyton glaucum*. 46th Annual Meeting of the American Society of Pharmacognosy, Corvallis, OR.
17. Sawant S, **Sylvester P**, Avery M, Desai P, Youssef D, **El Sayed K**. Semisynthetic and biocatalytic studies of cembranoids from the Red Sea soft coral *Sarcophyton glaucum*. 46th Annual Meeting of the American Society of Pharmacognosy, July 2005, Oregon State University, Corvallis, Oregon.
18. Stewart JL, Barud SJ, **Jacobs TM**, King DS. Racial disparities in the control of blood pressure and number of medications in a multidisciplinary hypertension clinic. *American Journal of Hypertension*. May 2005; 18(5):A221-A222. abstract