

## Recent Publications of Hines Researchers

- Campbell SC, **Bhoopalam N**, Moritz T, Pandya M, Iyer P, VanVeldhuizen P, Ellis NK, Thottapurathu L, Garewal H, Warren S, Friedman N, Reda DJ. The Use of Zoledronic Acid in Men Receiving Androgen Deprivation Therapy for Prostate Cancer with Severe Osteopenia or Osteoporosis Urology, 2010; 75:1138-1143.
- Hynes DM, Tarlov E, Durazo-Arvizu Ramon, Perrin R, Zhang Q, Weichle T, Rosario-Ferreira, Todd Lee M, Benson AB, **Bhoopalam N**, Bennett CL. Surgery and Adjuvant Chemotherapy Use among Veterans with Colon Cancer: Insights from a California Study (In press JCO).
- Kahn KL Adams JL, Week JC, Chrischilles EA, Ayanian JZ, Kiefe CI, Ganz PA, **Bhoopalam N**, Potosky, AL, Harrington DP, Fletcher RH. Adjuvant Chemotherapy Use and Adverse Events among Older Patients with Stage III Colon Cancer Patients. JAMA 2010; 303:1037-1045.
- Chiu YC, Larson J, Isom Jr. A, **Brey EM**. Generation of Porous Poly(ethylene glycol) Hydrogels by Salt Leaching. *Tissue Eng Part C Methods*. 2010;16(5):905-12.
- Francis-Sedlak MF, Moya ML, Huang JJ, Lucas SA, Larson JC, Chandrasekharan N, Cheng MH, **Brey EM**. Collagen Glycation Alters Neovascularization in vitro and in vivo. *Microvasc Res*. 2010;80(1):3-9.
- Brey EM**, Appel A, Chiu YC, Zhong Z, Anastasio MA. X-Ray Imaging of Poly(ethylene glycol)Hydrogels. *Tissue Eng Part C Methods*. 2010;16(6):1597-600.
- Park WC, Tidow-kebritchi S, **Bu P**, Kleinman BS, DePinto DJ, Perlman JI. Intraocular Pressure Changes During Cardiopulmonary Bypass Pump and Off-pump Cardiac Surgeries. *Federal Practitioner* 27: 17-21, 2010.
- Bu P**, Basith B, Stubbs Jr. EB, Perlman JI. Granulocyte Colony-stimulating Factor Facilitates Recovery of Retinal Function Following Retinal Ischemic Injury. *Exp Eye Res* [Letter to the Editor] 2010; 91:104-106.
- Possley D, Budiman-Mak E, O'Connell S, Jelinek C, **Collins EG**. The Relationship Between Depression and Functional Measures in Overweight and Obese Persons with Osteoarthritis of the Knee. *J of Rehabil Res Dev*.2010;46(9):1091-7.
- Collins EG**, Gater D, Kiratli J, Butler J, Hanson K, Langbein WE. Energy Cost of Physical Activities in Persons with Spinal cord injury. *Med Sci Sports Exerc* 2010;42(4):691-700. (Commentary by Robert W. Kenefick, p. 689-690).
- Hussain O, **Collins EG**, Tobin MJ, Laghi F. Contrasting pressure-support ventilation and helium-oxygen during exercise in severe COPD. *Resp Medicine*. 2011;105(3):494-505.
- Kapella MC, Larson JL, **Covey MK**, Alex CG. Functional performance in chronic obstructive pulmonary disease declines with time. *Medicine and Science in Sports and Exercise*. 2010; 43(2):218-224. PMID: 20543752.
- Evans CT**, Li K, Burns SP, Smith B, Lee TA, Weaver FM. Antibiotic prescribing for acute respiratory infection and subsequent outpatient and hospital utilization in veterans with spinal cord injury and disorder. *PM&R*, 2010;2:101-109.
- Sharma N, Marzo SJ, Jones KJ, **Foecking EM**. Electrical stimulation and testosterone differentially enhance expression of regeneration-associated genes. *Exp. Neurol.* 2010: 223(1):183-91.
- Sharma N, Moeller CW, Marzo SJ, Jones KJ, **Foecking EM**. Combinatorial treatments enhance recovery following facial nerve crush. *Laryngoscope* 2010: 120(8):1523-30.
- Marzo SJ, Moeller CW, Sharma N, Cunningham K, Jones KJ, **Foecking EM**. Facial motor nuclei cell loss with intratemporal facial nerve crush injuries in rats. *Laryngoscope*. 2010: 120(11):2264-9.
- Ashok **Fulambarker**, Ahmet Sinan Copur, Mark E. Cohen, Monali Patel, Sanjay Gill, Stephen T. Schultz and Philip H. Quanjer. Comparison of Pulmonary Function in Immigrant vs. US-Born Asian Indians. *Chest* 2010;137;1398-1404.
- Cave DM, **Gazmuri RJ**, Otto CW, Nadkarni VM, Cheng A, Brooks SC, Daya M, Sutton RM, Branson R, Hazinski MF. Part 7: CPR techniques and devices: 2010 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation* 2010;122:S720-28.
- Radhakrishnan J, Kolarova J, Ayoub IM, **Gazmuri, RJ**. AVE4454B – a novel sodium-hydrogen exchanger isoform-1 inhibitor – compared less effective than cariporide for resuscitation from cardiac arrest. *Translational Research* 2011;157:71-80.
- Gazmuri RJ**, Santonocito C. Ventricular Arrhythmias. In: Vincent JL, Abraham E, Moore FA, Kochanek P, Fink MP (eds). *Textbook of Critical Care*, 6<sup>th</sup> Edition. Philadelphia: Elsevier Inc., [In Press].

## Recent Publications of Hines Researchers

- Merrigan M, Venugopal A, Mallozzi M, Roxas B, Viswanathan VK, Johnson S, **Gerding DN**, Vedantam G. Human hypervirulent *Clostridium difficile* strains exhibit increased sporulation as well as robust toxin production. *J Bacteriol* 2010;192:4904-11.
- Lowy I, Molrine DC, Leav BA, Blair BM, Baxter R, **Gerding DN**, Nichol G, Thomas WD Jr, Leney M, Sloan S, Hay CA, Ambrosino DM. Treatment with monoclonal antibodies to *Clostridium difficile* toxins A and B prevent recurrent infection. *New Engl J Med* 2010;362:1-9.
- Jabbar, Umair, Leischner, J, Kasper D, Gerber R, Sambol SP, Parada JP, Johnson S, **Gerding DN**. "Effectiveness of Alcohol-Based Hand Rubs for Removal of *Clostridium difficile* Spores from Hands." *Inf. Control & Hosp Epidemiology* 2010;31:565-70.
- Brewster LP, Uczian AA, Brey EM, Liwanag M, Samarel AM, and **Greisler HP**. FRNK Overexpression Limits the Depth and Frequency of Vascular Smooth Muscle Cell Invasion in a Three-dimensional Fibrin Matrix. *The Journal of Cellular Physiology*. 2010 May. Nov;225(2):562-8.
- Pang Y, and **Greisler HP**. Using a Type I Collagen Based System to Understand Cell-scaffold Interactions and to Deliver Chimeric Collagen Binding Growth Factors for Vascular Tissue Engineering. *Journal of Investigative Medicine*. 2010 Oct;58(7):845-8.
- Uczian AA, Brewster LP, East AT, Pang Y, Gassman AA, and **Greisler HP**. Characterization of the Chemotactic and Mitogenic Response of SMCs to PDGF-BB and FGF-2 in Fibrin Hydrogels. *Journal of Biomedical Materials Research Part A*. 2010 September; 94(3):988-996.
- Nazi KM, **Hogan TP**, Wagner TH, McInnes DK, Smith BM, Haggstrom D, Chumbler NR, Gifford AL, Charters KG, Saleem JJ, Weingardt KR, Fischetti LF, Weaver FM. Embracing a health services research perspective on personal health records: lessons learned from the VA My HealtheVet system. *Journal of General Internal Medicine*. 2010 Jan 1; 25 Suppl 1:62-7.
- Follett KA, Weaver FM, Stern M, **Hur K**, Harris CL, Luo P, Marks WJ Jr, Rothlind J, Sagher O, Moy C, Pahwa R, Burchiel K, Hogarth P, Lai EC, Duda JE, Holloway K, Samii A, Horn S, Bronstein JM, Stoner G, Starr PA, Simpson R, Baltuch G, De Salles A, Huang GD, Reda DJ; CSP 468 Study Group. Pallidal versus subthalamic deep-brain stimulation for Parkinson's disease. *N Engl J Med*. 2010 Jun 3;362(22):2077-91.
- Shuhaiber JH, **Hur K**, Gibbons R. The influence of preoperative use of ventricular assist devices on survival after heart transplantation: propensity score matched analysis. *BMJ*, 340:C392, 2010.
- Gibbons, R.D., Amatya, A.K., Brown, C.H., **Hur, K.**, Marcus, S.M., Bhaumik, D.K., Mann, J.J. Post-approval drug safety surveillance. *Annual Review of Public Health*, 31, 419-437, 2010.
- Hynes, DM**, Weddle, T, Whittier, E, Smith, N, Atkins, D, Francis, J. Use of Health Information Technology to Advance Evidence-Based Care: Lessons from the VA QUERI Program. *Journal of General Internal Medicine*. 2010; 25(Suppl 1):44-9.
- Hynes, DM**, Tarlov, E, Perrin, R, et al., Surgery and Adjuvant Chemotherapy Use Among Veterans with Colon Cancer: Insights Using California SEER, Medicare and VA-linked Data. *Journal of Clinical Oncology*. 2010; 28 1-9.
- Saban, K, Bryant, F, Reda, D, Stroupe, KT, **Hynes, DM**. Measurement Invariance of the Kidney Disease and Quality of Life Instrument (KDQOL-SF) across Veterans and Non-Veterans. *Health and Quality of Life Outcomes*. 2010; 8: 1-20.
- Beltran EJ, Papadopoulos CM, Tsai SY, **Kartje GL**, Wolf WA. Long-term Motor Improvement After Stroke is Enhanced by Short-term Treatment with the Alpha-2 Antagonist Atipamezole. *Brain Res*. 2010 Jul 30;1346:174-82. Epub 2010 May 27.
- Gillani RL, Tsai SY, Wallace DG, O'Brien TE, Arhebamen E, Tole M, Schwab ME, **Kartje GL**. Cognitive Recovery in the Aged Rat after Stroke and Anti-Nogo-A Immunotherapy. *Behav Brain Res*. 2010 Apr 2;208(2):415-24.
- Pradhan AD, Case AM, Farrer RG, Tsai SY, Cheatwood JL, Martin JL, **Kartje GL**. Dendritic spine alterations in neocortical pyramidal neurons following postnatal neuronal Nogo-A knockdown.. *Dev Neurosci*. 2010;32(4):313-20. Epub 2010 Oct 13

Holgren C, Dougherty, U, Edwin F, Cerasi D, Taylor I, Fichera A, Joseph L, Bissonnette, M and **Khare, S.** Sprouty-

## Recent Publications of Hines Researchers

- 2 controls c-Met expression and metastatic potential of colon cancer Cells: sprouty/c-Met upregulation in human colonic adenocarcinomas. *Oncogene* 2010; 29: 5241-5253.
- LaVela SL**, Ather N. Psychological health in older adult spousal caregivers of older adults. *Chronic Illness*. 2010;6:67-80.
- Damush TM, Jackson GL, Powers BJ, Bosworth HB, Cheng E, Anderson J, **Guilan M**, **LaVela SL**, Rajan S, Plue L. Implementing evidence-based patient self-management programs in the Veteran Health Administration: perspectives on delivery system design considerations. *Journal of General Internal Medicine*. 2010;25(1):68-71.
- Follett KA, Weaver FM, Stern M, Hur K, Harris CL, **Luo P**, Marks WJ, Rothlind J, Sagher O, Moy C, Pahwa R, Burchiel K, Hogarth P, Lai EC, Duda JE, Holloway K, Samii A, Horn S, Bronstein JM, Stoner G, Starr PA, Simpson R, Baltuch G, Salles AD, Huang GD, Reda DJ, and for the CSP 468 Study Group. Pallidal versus subthalamic deep-brain stimulation for Parkinson's disease. *New Engl J Med* 2010; 362: 2077-2091
- Ladenson PW, **McCarren M**, Morkin E, Edson RG, Shih MC, Warren SR, Barnhill JG, Churby L, Thai H, O'Brien T, Anand I, Warner A, Hattler B, Dunlap M, Erikson J, Goldman S. Effects of the Thyromimetic Agent Diiodothyropropionic Acid on body Weight, Body Mass Index, and Serum Lipoproteins: A Pilot Prospective, Randomized, Controlled Study. *J Clin Endocrinol Metab*. 2010; 95:1349-54.
- Saremi A, Allison M, Ditomasso D, Ge L, Anderson R, **Moritz TE**, Duckworth W, Abraira C, Reaven P, for the VADT. Hepatic Fat and Inflammation in Type 2 Diabetes Mellitus. *Metabolism*. 2010;59:430-2.
- Campbell SC, Bhoopalam N, **Moritz T**, Pandya M, Iyer P, Van Veldhuizen P, Ellis NK, Thottapurathu L, Garewal H, Warren S, Friedman N, Reda DJ. The Use of Zoledronic Acid in Men Receiving Androgen Deprivation Therapy for Prostate Cancer with Severe Osteopenia or Osteoporosis. *Urology*. 2010;75:1138-43.
- Garcia S, Murray STN, **Moritz TE**, Pierpont G, Goldman S, Larsen GC, Littooy F, Ward HB, and McFalls EO. Culprit Coronary Lesions Requiring Percutaneous Coronary Intervention After Vascular Surgery Often Arise From In-Stent Restenosis of Bare Metal Stents. *Annals of Vascular Surgery*. 2010;24:596-601.
- Collins MA, **Neafsey EJ**, Wang K, Achille N, Mitchell RM, and Sivaswamy S. 2010. Moderate ethanol preconditioning of rat brain cultures engenders neuroprotection against dementia- inducing neuroinflammatory proteins: possible signaling mechanisms. *Mol Neurobiology* 41:420-425.
- Sivaswamy S, **Neafsey EJ**, and Collins MA. 2010. Neuroprotective preconditioning of rat brain cultures with ethanol: Potential transduction by PKC isoforms and focal adhesion kinase up- stream of heat shock protein elevations. *Eur J Neurosci* 32:1800-1812.
- Pape T** Rosenow J Lewis G Ahmed G Walker M Guernon A Roth H Patil V. (2009) Repetitive Transcranial magnetic Stimulation-Associated Neurobehavioral Gains during Coma Recovery. *Brain Stimulat*, 2(1):22-35.
- Pape T**. Tang C. Guernon A. Lundgren S. Blahnik M. Wei Y. Querubin M. Zollman F. & Soneru I. (2009). Predictive Value of the Disorders of Consciousness Scale. *Physical Medicine & Rehabilitation*, 1(2):152-61.
- Saban K Smith B Collins E **Pape T** (2011). Sex Differences in Perceived Life Satisfaction and Functional Status One Year after Severe Traumatic Brain Injury. *Journal of Women's Health*, 20:2. 179-186
- Patwardhan AG**, Tzermiadanos MN, Tsitsopoulos PP, Voronov LI, Renner SM, Reo ML, Carandang G, Ritter-Lang K, Havey RM. Primary and coupled motions after cervical total disc replacement using a compressible six-degree-of-freedom prosthesis. *Eur Spine J*. 2010 Sep 24.
- Paxinos O, Tsitsopoulos PP, Zindrick MR, Voronov LI, Lorenz MA, Havey RM, **Patwardhan AG**. Evaluation of pullout strength and failure mechanism of posterior instrumentation in normal and osteopenic thoracic vertebrae. *J Neurosurg Spine*. 2010 Oct;13(4):469-76.
- Gaffey JL, Ghanayem AJ, Voronov ML, Havey RM, Carandang G, Abjornson C, **Patwardhan AG**. Effect of Increasing Implant Height on Lumbar Spine Kinematics and Foraminal Size Using the ProDisc-L Prosthesis. *Spine (Phila Pa 1976)*. 2010 Volume 35(19):pp 1777-82.

Mishra P, Senthivinayagam S, Rangasamy V, Sondarva G and **Rana B**. Mixed lineage Kinase-3/JNK1 axis promotes migration of human gastric cancer cells following gastrin stimulation. *Mol. Endocrinol*. 2010; 24:

## Recent Publications of Hines Researchers

598-607.

- Mishra P, Senthivinayagam S, Rana A and **Rana B**. Glycogen Synthase Kinase-3b regulates Snail and b-catenin during gastrin-induced migration of gastric cancer cells. *J Mol. Signal.* 2010; 5: 9.
- Rangasamy V, Mishra R, Mehrotra S, Sondarva G, Ray RS, Rao A, Chatterjee M, **Rana B** and Rana A. Estrogen suppresses MLK3-mediated apoptosis sensitivity in ER+ breast cancer cells. *Cancer Res.* 2010; 70: 1731-40.
- Vijaya, K. Patil, MD, Justin R. St. Andre, MA, Eleana. Crisan, MD, Bridget M. Smith, PhD, Charlesnika T. Evans, PhD, **Monica L. Steiner**, Theresa Pape, PH, MA; Prevalence and Treatment of Headaches in Veterans with Mild Traumatic Brain Injury; Abstract, *The Journal of Head and Face Pain*, Volume 50, Number S1, August 2010.
- Musick DW, Brodenek WL, Massagli TL, Miknevich MA, Poduri KR, Sliwa JA. **Steiner, M**; Reliability of the Physical Medicine and Rehabilitation Resident Observatio and Competency Assessment Tool: A multi-institutional study. *Am J Phsy Med Rehabil* 2010; 89:235-244.
- Hynes DM, **Tarlov E**, Durazo-Arvizu R, Perrin R, Zhang Q, Weichle T, Ferreira MR, Lee T, Benson AB, Bhoopalam N, Bennett CL. Surgery and adjuvant chemotherapy use among veterans with colon cancer: insights from a California study. *J Clin Oncol.* 2010 May 20;28(15):2571-6.
- Walter JS**, Wurster RD, Zhu Q, Staunton C, Laghi F. Stimulating multiple respiratory muscles with intramuscular Permaloc electrodes. *J Spinal Cord Medicine* 33:135-143, 2010.
- Walter JS**, Wheeler JS, Bresler L, Turk T. Percutaneous Stimulation of the Skeletal Urethral Sphincter in Patients with Stress Urinary Incontinence Following Radical Prostatectomy: Limitations of the Approach. *The Internet Journal of Urology*, 2010, Volume 7, Number 2.
- Bresler L, **Walter JS**, Jahoda A, Wheeler JS, Turk T, Wurster RD. Effective methods of pelvic plexus nerve and bladder stimulation in anesthetized animal model. *J Rehab Res Dev* 45:627-638, 2008.
- Weiner SJ, Swartz A, **Weaver FM**, Goldberg J. Identifying Contextual Error: Unannounced Standardized Patients Expose Failure to Individualize Care. *Annals of Internal Medicine* 2010;153:69-75.
- Follett K, **Weaver FM**, Stern M et al. Deep Brain Stimulation for Parkinson's Disease: A Randomized Controlled Trial of Subthalamic Nucleus vs Globus Pallidus Bilateral Stimulation. *N Engl J Med.* 2010;362(22):2080-94.
- Rajan S, McNelly MJ, Hammond M, Goldstein B, **Weaver F**. Obesity and its relationship to diabetes mellitus in veterans with spinal cord injury. *Am J of Phys Med Res.* 2010;89(5):35361