

## **SSHP Faculty Publications & Grants FY 2008-2009**

As a responsibility of the **SSHP Research Advisory Committee**, this listing has been developed to recognize the research activities of the UT Southwestern School of Health Professions faculty (included on the SSHP Faculty Roster). The publications and grants listed represent responses from faculty members to a request for this information for the fiscal year 08-09 (September 01, 2008 - August 31, 2009). Programs or individuals not listed reported no publications/grants for the time period requested. We apologize in advance for any omissions or inaccuracies.

## **Department of Clinical Nutrition**

### **Publications:**

Seo J, Fortuno ES, Suh JM, Stenesen D, Tang W, **Parks EJ**, Adams CM, Townes T, Graff JM: Atf4 regulates obesity, glucose homeostasis, and energy expenditure. *Diabetes*, 58:2565-2573, 2009 [PMID: 19690063].

Grefhorst A, **Parks EJ**: Reduced insulin-mediated inhibition of VLDL secretion upon pharmacological activation of the liver X receptor in mice. *J Lipid Research*, 50:1374-1383, 2009 [PMID: 19287042].

**Parks EJ**, Skogen LA, Timlin MT, Dingfelder CS: Acute impact of sugars on fatty acid synthesis. *J Nutrition*, 138:1039-1046, 2008 [PMID: PMC2546703].

Brown LM, **Clegg DJ** (2009) Central effects of estradiol in the regulation of food intake, body weight, and adiposity. *J Steroid Biochem Mol Biol*. Dec 24 PMID: 20035866

Jessen L, **Clegg DJ**, Bouman SD (2009) Evaluation of the lack of anorectic effect of intracerebroventricular insulin in rats *Am J Physiol Regul Integr Comp Physiol* Jan;298(1):R43-50 PMID: 19864335

Nedungadi TP, **Clegg DJ** (2009) Sexual dimorphism in body fat distribution and risk for cardiovascular diseases. *Journal of Cardiovascular Translational Research*: Sep;2(3):321-7 PMID: 20560019

Kemp CJ, Benoit SC, Elias CF, Abplanalp W, Herman JP, Migrenne S, Lefevre A, Cruciani-Guglielmacci C, Magnan C, Yu F, Niswender K, Irani BG, Holland WL, **Clegg DJ** (2009) Palmitic acid mediates hypothalamic insulin resistance via protein kinase-C (PKC) theta. *Journal of Clinical Investigation*: Sep;119(9):2577-89; PMID: 19726875; PMCID: PMC2735917

Wang HH, Liu M, **Clegg DJ**, Portincasa P, Wang DQ. (2009) New insights into the molecular mechanisms underlying effects of estrogen on cholesterol gallstone formation. *Biochem Biophys Acta*. Epub: Nov;1791(11):1037-47; PMID: 19589396; PMCID: PMC2756670

Liu S, Le May C, Wong WP, Ward RD, **Clegg DJ**, Marcelli M, Korach KS, Mauvais-Jarvis F. (2009) Importance of extranuclear estrogen receptor- $\alpha$  and membrane G protein-coupled estrogen receptor in pancreatic islet survival. *Diabetes*: Oct;58(10):2292-302 PMID: 19587358

Medvedovic M, Gear R, Freudenberg JM, Schneider J, Bornschein R, Yan M, Mistry MJ, Hendrix H, Karyala S, Halbleib D, Heffelfinger S, **Clegg DJ**, Anderson MW (2009) Influence of fatty acid diets on gene expression in rat mammary epithelial cells. *Physiol Genomics* Jun 10;38(1):80-8 PMID: 19351911

Shi H, Seeley RJ, **Clegg DJ** (2009) Sexual differences in the control of energy homeostasis. *Front Neuroendocrinology*: Aug;30(3):396-404; PMID: 19341761

Shi H, **Clegg DJ** (2009) Sex differences in the regulation of body weight. *Physiol Behav*. May 25;97(2):199-204; PMID: 19250944; doi: 10.1016/j.physbeh.2009.02.017

Haas E, Bhattacharya I, Brailoiu E, Damjanovic M, Brailoiu GC, Gao X, Mueller-Guerre L, Marjon NA, Gut A, Minotti R, Meyer MR, Amann K, Ammann E, Perez-Dominguez A, Genoni M, **Clegg DJ**, Dun NJ, Resta TC, Prossnitz ER, Barton M. (2009) Regulatory role of G-protein-coupled estrogen receptor for vascular function and obesity. *Circ Res*. Feb 13;104(3):288-91; PMID: 19179659; PMCID: PMC2782532

Van Horn L, McCoin M, Kris-Etherton PM, Burke F, **Carson JA**, Champagne CM, Karmally W, Sikand G. The evidence for dietary prevention and treatment of cardiovascular disease J Am Diet Assoc. 2008 Feb;108(2):287-331. Review.PMID: 18237578

McCoin M, Sikand G, Johnson EQ, Kris-Etherton PM, Burke F, **Carson JA**, Champagne CM, Karmally W, Van Horn L. J The effectiveness of medical nutrition therapy delivered by registered dietitians for disorders of lipid metabolism: a call for further research. Am Diet Assoc. 2008 Feb;108(2):233-9. No abstract available. PMID: 18237570

Mehdi UF, Adams-Huet B, Raskin P, **Vega GL**, Toto RD. Addition of angiotensin receptor blockade or mineralocorticoid antagonism to maximal angiotensin-converting enzyme inhibition in diabetic nephropathy. J Am Soc Nephrol. 2009 Dec;20(12):2641-50. Epub 2009 Nov 19. PubMed PMID: 19926893; PubMedCentral PMCID: PMC2794224.

**Grundy SM, Vega GL**, Tomassini JE, Tershakovec AM. Correlation of non-high-density lipoprotein cholesterol and low-density lipoprotein cholesterol with apolipoprotein B during simvastatin + fenofibrate therapy in patients with combined hyperlipidemia (a subanalysis of the SAFARI trial). Am J Cardiol. 2009 Aug 15;104(4):548-53. PubMed PMID: 19660610.

Khera A, **Vega GL**, Das SR, Ayers C, McGuire DK, **Grundy SM**, de Lemos JA. Sex differences in the relationship between C-reactive protein and body fat. J Clin Endocrinol Metab. 2009 Sep;94(9):3251-8. Epub 2009 Jun 30. PubMed PMID: 19567538; PubMed Central PMCID: PMC2741708.

Oeffinger KC, Adams-Huet B, Victor RG, Church TS, Snell PG, Dunn AL, Eshelman-Kent DA, Ross R, Janiszewski PM, Turoff AJ, Brooks S, **Vega GL**. Insulin resistance and risk factors for cardiovascular disease in young adult survivors of childhood acute lymphoblastic leukemia. J Clin Oncol. 2009 Aug 1;27(22):3698-704. Epub 2009 Jun 29. PubMed PMID: 19564534; PubMed Central PMCID: PMC2720083.

**Vega GL**, Dunn FL, **Grundy SM**. Impaired hepatic ketogenesis in moderately obese men with hypertriglyceridemia. *J Investig Med*. 2009 Apr;57(4):590-4. PubMed PMID: 19342925.

Lakoski SG, Xu F, **Vega GL**, **Grundy SM**, Chandalia M, Lam C, Lowe RS, Stepanavage ME, Musliner TA, Cohen JC, Hobbs HH. Indices of cholesterol metabolism and relative responsiveness to ezetimibe and simvastatin. *J Clin Endocrinol Metab*. 2010 Feb;95(2):800-9. Epub 2009 Dec 4. PMID: 19965915

Alberti KG, Eckel RH, **Grundy SM**, Zimmet PZ, Cleeman JI, Donato KA, Fruchart JC, James WP, Loria CM, Smith SC Jr; International Diabetes Federation Task Force on Epidemiology and Prevention; Hational Heart, Lung, and Blood Institute; American Heart Association; World Heart Federation; International Atherosclerosis Society; International Association for the Study of Obesity. Institute; American Heart Association; World Heart Federation; International Atherosclerosis Society; and International Association for the Study of Obesity. *Circulation*. 2009 Oct 20;120(16):1640-5. Epub 2009 Oct 5. PMID: 19805654

**Grundy SM**, **Vega GL**, Tomassini JE, Tershakovec AM. Correlation of non-high-density lipoprotein cholesterol and low-density lipoprotein cholesterol with apolipoprotein B during simvastatin + fenofibrate therapy in patients with combined hyperlipidemia (a subanalysis of the SAFARI trial). *Am J Cardiol*. 2009 Aug 15;104(4):548-53.

Faergeman O, Holme I, Fayyad R, Bhatia S, **Grundy SM**, Kastelein JJ, LaRosa JC, Larsen ML, Lindahl C, Olsson AG, Tikkanen MJ, Waters DD, Pedersen TR; Steering Committees of IDEAL and TNT Trials. Plasma triglycerides and cardiovascular events in the Treating to New Targets and Incremental Decrease in End-Points through Aggressive Lipid Lowering trials of statins in patients with coronary artery disease. *Am J Cardiol*. 2009 Aug 15;104(4):459-63. Epub 2009 Jun 24. PMID: 19660594

Khera A, **Vega GL**, Das SR, Ayers C, McGuire DK, **Grundy SM**, de Lemos JA Sex differences in the relationship between C-reactive protein and body fat.. *J Clin Endocrinol Metab*. 2009 Sep;94(9):3251-8. Epub 2009 Jun 30. PMID: 19567538

Robinson JG, Ballantyne CM, **Grundy SM**, Hsueh WA, Parving HH, Rosen JB, Adewale AJ, Polis AB, Tomassini JE, Tershakovec AM. Lipid-altering efficacy and safety of ezetimibe/simvastatin versus atorvastatin in patients with hypercholesterolemia and the metabolic syndrome (from the VYMET study). *Am J Cardiol*. 2009 Jun 15;103(12):1694-702. PMID: 19539078

Patel MJ, de Lemos JA, McGuire DK, See R, Lindsey JB, Murphy SA, **Grundy SM**, Khera A. Evaluation of coronary artery calcium screening strategies focused on risk categories: the Dallas Heart Study. *Am Heart J*. 2009 Jun;157(6):1001-9. PMID: 19464410

**Vega GL**, Dunn FL, **Grundy SM**. Impaired hepatic ketogenesis in moderately obese men with hypertriglyceridemia. *J Investig Med*. 2009 Apr;57(4):590-4. PMID: 19342925

Shah M, Chandalia M, Adams-Huet B, Brinkley LJ, Sakhaee K, **Grundy SM**, Garg A. Effect of a high-fiber diet compared with a moderate-fiber diet on calcium and other mineral balances in subjects with type 2 diabetes. *Diabetes Care*. 2009 Jun;32(6):990-5. Epub 2009 Mar 11. PMID: 19279300

Ling H, Waterworth DM, Stirnadel HA, Pollin TI, Barter PJ, Kesäniemi YA, Mahley RW, McPherson R, Waeber G, Bersot TP, Cohen JC, **Grundy SM**, Mooser VE, Mitchell BD. Genome-wide linkage and association analyses to identify genes influencing adiponectin levels: the GEMS Study. *Obesity (Silver Spring)*. 2009 Apr;17(4):737-44. Epub 2009 Jan 22. PMID: 19165155

NACB LMPG Committee Members, Myers GL, Christenson RH, Cushman M, Ballantyne CM, Cooper GR, Pfeiffer CM, **Grundy SM**, Labarthe DR, Levy D, Rifai N, Wilson PW. National Academy of Clinical Biochemistry Laboratory Medicine Practice guidelines: emerging biomarkers for primary prevention of cardiovascular disease. *Clin Chem*. 2009 Feb;55(2):378-84. Epub 2008 Dec 23. PMID: 19106185

Guerrero R, **Vega GL**, **Grundy SM**, Browning JD. Ethnic differences in hepatic steatosis: an insulin resistance paradox? *Hepatology*. 2009 Mar;49(3):791-801. PMID: 19105205

Friedewald VE, Cather JC, Gelfand JM, Gordon KB, Gibbons GH, **Grundy SM**, Jarratt MT, Krueger JG, Ridker PM, Stone N, Roberts WC. AJC editor's consensus: psoriasis and coronary artery disease. *Am J Cardiol*. 2008 Dec 15;102(12):1631-43. Review. No abstract available. PMID: 19064017

Johnson C, Waters DD, DeMicco DA, Breazna A, Bittner V, Greten H, **Grundy SM**, LaRosa JC. Comparison of effectiveness of atorvastatin 10 mg versus 80 mg in reducing major cardiovascular events and repeat revascularization in patients with previous percutaneous coronary intervention (post hoc analysis of the Treating to New Targets [TNT] Study). *Am J Cardiol*. 2008 Nov 15;102(10):1312-7. Epub 2008 Sep 5. PMID: 18993147

**Vega GL**, Clarenbach JJ, Dunn F, **Grundy SM**. Oxandrolone enhances hepatic ketogenesis in adult men. *J Investig Med*. 2008 Oct;56(7):920-4. PMID: 18797410

**Grundy SM**, Adams-Huet B, **Vega GL**. Variable contributions of fat content and distribution to metabolic syndrome risk factors. *Metab Syndr Relat Disord*. 2008 Dec;6(4):281-8. PMID: 18759660

Rosenzweig JL, Ferrannini E, **Grundy SM**, Haffner SM, Heine RJ, Horton ES, Kawamori R; Endocrine Society Primary prevention of cardiovascular disease and type 2 diabetes in patients at metabolic risk: an endocrine society clinical practice guideline. *J Clin Endocrinol Metab*. 2008 Oct;93(10):3671-89. Epub 2008 Jul 29. PMID: 18664543

Chen K, Lindsey JB, Khera A, De Lemos JA, Ayers CR, Goyal A, **Vega GL**, Murphy SA, Grundy SM, McGuire DK. Independent associations between metabolic syndrome,

diabetes mellitus and atherosclerosis: observations from the Dallas Heart Study. *Diab Vasc Dis Res.* 2008 Jun;5(2):96-101.PMID: 18537096

**Vega GL**, Chandalia M, Szczepaniak LS, **Grundy SM**. Effects of N-3 fatty acids on hepatic triglyceride content in humans. *J Investig Med.* 2008 Jun;56(5):780-5.PMID: 18525453

Kastelein JJ, van der Steeg WA, Holme I, Gaffney M, Cater NB, Barter P, Deedwania P, Olsson AG, Boekholdt SM, Demicco DA, Szarek M, LaRosa JC, Pedersen TR, **Grundy SM**; TNT Study Group; IDEAL Study Group. Lipids, apolipoproteins, and their ratios in relation to cardiovascular events with statin treatment. *Circulation.* 2008 Jun 10;117(23):3002-9. Epub 2008 Jun 2.PMID: 18519851

See R, Lindsey JB, Patel MJ, Ayers CR, Khera A, McGuire DK, **Grundy SM**, de Lemos JA. Application of the screening for Heart Attack Prevention and Education Task Force recommendations to an urban population: observations from the Dallas Heart Study. *Arch Intern Med.* 2008 May 26;168(10):1055-62.PMID: 18504333

Alexander CM, Landsman PB, **Grundy SM**. The influence of age and body mass index on the metabolic syndrome and its components. *Diabetes Obes Metab.* 2008 Mar;10(3):246-50.PMID: 18269640

Sandhu MS, Waterworth DM, Debenham SL, Wheeler E, Papadakis K, Zhao JH, Song K, Yuan X, Johnson T, Ashford S, Inouye M, Luben R, Sims M, Hadley D, McArdle W, Barter P, Kesäniemi YA, Mahley RW, McPherson R, **Grundy SM**; Wellcome Trust Case Control Consortium, Bingham SA, Khaw KT, Loos RJ, Waeber G, Barroso I, Strachan DP, Deloukas P, Vollenweider P, Wareham NJ, Mooser V. LDL-cholesterol concentrations: a genome-wide association study. *Lancet.* 2008 Feb 9;371(9611):483-91.PMID: 18262040

**Grundy SM**. Promise of low-density lipoprotein-lowering therapy for primary and secondary prevention *Circulation.* 2008 Jan 29;117(4):569-73; discussion 573. Review. No abstract available. PMID: 18227397

**Grundy SM**. Thyroid mimetic as an option for lowering low-density lipoprotein. *Proc Natl Acad Sci U S A.* 2008 Jan 15;105(2):409-10. Epub 2008 Jan 10. No abstract available. PMID: 18187579

**Grundy SM**. Metabolic syndrome pandemic *Arterioscler Thromb Vasc Biol.* 2008 Apr;28(4):629-36. Epub 2008 Jan 3. Review.PMID: 18174459

Shah M, Chandalia M, Adams-Huet B, Brinkley LJ, Sakhaee K, **Grundy SM**, Garg A. Effect of a high-fiber diet compared with a moderate-fiber diet on calcium and other mineral balances in subjects with type 2 diabetes. *Diabetes Care.* 2009 Jun;32(6):990-5. Epub 2009 Mar 11.

#### **Grants and Contracts:**

1-RL1 (R01) DK 081187-01 Parks, E. (PI)

10/01/07 – 09/30/12

*"Dietary macronutrient composition, weight loss, and liver substrate metabolism"*

A study of the effect of nutrient partitioning in patients with documented non-alcoholic fatty liver disease.

This project joins others as part of the UTSW Taskforce on Obesity Research at Southwestern (TORS).

Supplement to 1-RL1 DK 081187-04 Parks, E. (PI)

09/01/10 – 08/30/11

*"Additional staff to facilitate conduct of consortium assays"*

## **Prosthetics & Orthotics Program**

### **Publications:**

Drummey J. Enhancing the Functional Envelope: A Review of Upper-Limb Prosthetic Treatment Modalities. *The Academy Today* 2009;5(3).

**Gao F**, Grant TH, Roth EJ, Zhang LQ. Changes in passive mechanical properties of the gastrocnemius muscle at the muscle fascicle and joint levels in stroke survivors. *Archives of physical medicine and rehabilitation* 2009;90(5):819-26.

**Gao F**, Zhang L-Q. Altered contractile properties of the gastrocnemius muscle poststroke. *J Appl Physiol* 2008;105(6):1802-8.

**Gao F**, Wang ZG, Lei X. Finite Element Analysis Based Design Optimization for Prosthetic Socket. *Proceedings of the American Society of Biomechanics Annual Conference; State College, PA; 2009.*

**Gao F**, Lin YJ, Marzilli ST. Power Grip Force is Modulated in Dynamic Arm Movement. *Proceedings of the American Society of Biomechanics Annual Conference; State College, PA; 2009.*

**Gao F**, Gaebler D, Zhang LQ. In vivo Evaluations of the Medial Gastrocnemius Muscle Passive Mechanical Properties: Changes at the Muscle Fascicle and Joint Levels in Children with Cerebral Palsy. *Proceedings of the American Academy for Cerebral Palsy and Developmental Medicine 63rd Annual meeting; Scottsdale, Arizona, USA; 2009.*

**Kapp SL**. Prosthetic Management of the Upper Limb. *Proceedings of the PMR Baylor Dallas Residency Programs; 2009.*

**Kapp SL**. Prosthetic Management of the Upper Limb. *Proceedings of the PMR Baylor-UT Houston Residency Programs; 2008.*

Stevens PM, Fross N, **Kapp SL**. Clinically Relevant Outcome Measures in Orthotics and Prosthetics. *The Academy Today* 2009;5(1).

### **Book Chapters:**

**Mojica M**. Foot Orthoses. In: Hsu J, Michael J, Fisk J, editors. *AAOS atlas of orthoses and assistive devices*. 4th ed. Philadelphia, PA: Mosby; 2008. p 335-42.

### **Grants and Contracts:**



**Gao, F** ( Principle Investigator) “Investigation of effects of motorized facilitated ankle stretching.” American Heart Association National Scientist Development Grant. Funded 2009-2013.

Period 1 Start Date: 7/1/2009, End Date: 6/30/2010, Total: \$72880

Period 2 Start Date: 7/1/2010, End Date: 6/30/2011, Total: \$72641

Period 3 Start Date: 7/1/2011, End Date: 6/30/2012, Total: \$73115

Period 4 Start Date: 7/1/2012, End Date: 6/30/2013, Total: \$74662

## **Department of Health Care Sciences**

### **DFW Area Health Education Center**

#### **Grants and Contracts:**

Lori Millner, PhD (Investigator)

Source: Department of Health and Human Services – Subcontract through University of Texas Medical Branch – East Texas AHEC Division

Title: Model State Supported Area Health Education Centers

Amount : \$78,000

Dates: September 1, 2008-August 31, 2009

Purpose: To implement core AHEC programs to develop a quality health workforce.

Lori Millner, PhD (Investigator)

Source: State of Texas – Interagency contract with the University of Texas Medical Branch – Department of Legal Affairs - East Texas AHEC Division

Title: Support for DFW AHEC programs

Amount : \$189,554

Dates: September 1, 2008-August 31, 2009

Purpose: To implement core AHEC programs to develop a quality health workforce.

Lori Millner, PhD (Investigator)

Source: Texas Higher Education Coordinating Board – Subcontract through the University of Texas at Dallas

Title: The Effects of Off-Campus Health Occupations Enrichment and Information Programs on the Selection of College Major in a Sample of College Bound Students from Three High Schools in the Dallas Independent School District

Amount: \$54,233

Dates: January 25, 2008 - August 31, 2009

Purpose: To implement the treatments for the research project.

Lori Millner, PhD (Investigator)

Source: Coastal Area Health Education Center

Title: Ventanilla de Salud

Amount: \$44,000

Dates: January 1, 2009 – December 31, 2009

Purpose: To provide health education and health referral services to the Hispanic community.

Lori Millner, PhD (Investigator)

Source: Society for Dermatological Physician Assistants

Title: Dermatology Distance Learning Initiative Technical Assistance

Amount: \$13,009

Dates: September 1, 2008-August 31, 2009

Purpose: To provide the technical assistance for an online CE course.

Lori Millner, PhD (Investigator)

Source: Texas Higher Education Coordinating Board – Subcontract through the Texas Tech University

Title: Expanding Texas HOT Jobs Resources for Minority Students and Their Families to Address Gaps in Understanding about Health Career Opportunities in Texas.

Amount: \$50,000

Dates: September 1, 2008 – January 31, 2009.

Purpose: Development of Texas HOTJOBS Teacher Lesson Plans

Lori Millner, PhD (Investigator)

Source: Corporation for National and Community Service through a subcontract with University of Texas Medical Branch – East Texas AHEC Division

Title: AHEC Professional Corps

Amount: \$20,143

Dates: August 1, 2008 – July 31, 2009

Purpose: Recruit practitioners to underserved areas

#### Professional Presentations

Millner, L. & Ashe, M.J. (2008, October). *Access to health care and the health care workforce*. Presented at Access to Health Care for Underserved Populations: A Symposium for Health Professionals and Health Profession Students, Arlington, TX.

#### Posters Presented

Millner L, Jones PE. Service Learning, Public Health, and AHEC: Partnership for Success. (October 2008) *Physician Assistant Education Association National Meeting*. Savannah, Georgia.

### **Healthcare Education and Research**

#### **Publications:**

Competency Set for the Discipline of Disaster Medicine and Public Health Preparedness. *Disaster Medicine and Public Health Preparedness* **King RV**, North SA. Implementing Competency-Based Education at the Alliance's Basics Institute. *Alliance Almanac*, 2008 Nov;30(11): 2-4.

**King RV**, North SA. Analyzing the Alliance for Continuing Medical Education Competencies for CME Professionals. *Alliance Almanac*, 2008 Nov;30(11): 4-6.

North CS, **King RV**, **Fowler, RL**, Polatin P, Smith RP, Lagrone A, Tyler D, Larkin GL, Pepe PE. Psychiatric Disorders Among Transported Hurricane Evacuees: Acute Phase Findings in a Large Receiving Shelter Site. *Psychiatric Annals*. 2008 Feb;38(2): 104-113.

Cassimatis EG, Coule PL, Dallas CE, **King RV**, Rubinson L, Sattin R, Swienton RE, Lillibridge S, Burkle FM, Schwartz RB, James JJ, Subbarao I, Lyznicki JM, Hsu EB, Gebbie KM, Markenson D, Barzansky B, Armstrong JH, A Consensus-based Educational Framework and. 2008 2(1): 57-68.

## **Grants and Contracts:**

**McConnell C** (Principal Investigator): "Evaluation of Aging Service Providers". Research Contract: Dallas County Area Agency on Aging, funded 2008-2009, \$5,000.

## **Community Prevention & Intervention Unit**

### **Publications:**

Victor RG, Ravenell JE, **Freeman A**, Bhat DG, Storm JS, Shafiq M, Knowles P, Hannon PJ, Haley RW, Leonard D. A Barber-Based Intervention for Hypertension in African American Men: Design of a Group Randomized Trial. American Heart Journal, 157:30-6, 2009.

### **Grants and Contracts:**

**Freeman A** (Principal Investigator) Non-competitive renewal of STD/HIV Prevention Training Center grant; CDC; \$717,000; April 1, 2009-March 31, 2010

**Freeman A** (Principal Investigator) Non-competitive Supplemental funds for Training Center grant; CDC;; \$98,000; September 29, 2008-September 27, 2009.

**Freeman A** (Principal Investigator) Non-competitive renewal of Capacity-Building Assistance Center grant; CDC;; \$451,000; July 1, 2009-September 28, 2010.

**Freeman A** (Principal Investigator) Non-competitive renewal of HIV Prevention Program contract: Texas Department of State Health Services;; \$756,000; January 1, 2008-December 31, 2009.

**Freeman A** (Principal Investigator) Non-competitive renewal of Medical Monitoring Project contract with Texas Department of State Health Services;; \$276,000; June 1, 2009-May 31, 2010.

**Freeman A** (Principal Investigator) Non-competitive renewal of HIV Incidence Project contract with Texas Department of State Health Services; \$224,000; January 1, 2009-December 31, 2009.

**Freeman A** (Principle Investigator) Non-competitive renewal of VARHS Project contract with Texas Department of State Health Services; \$125,000; January 1, 2009-December 1, 2009.

**Freeman A** (Principal Investigator) Non-competitive renewal of Community Planning Group Technical Assistance contract with Texas Department of State Health Services;; \$250,000; January 1, 2009-December 31, 2009.

## Emergency Medicine Education Program

### Publications:

Metzger JC, Eastman AL, **Pepe PE**. Year in review 2008: Critical Care--trauma. Crit Care. 2009;13(5):226. Epub 2009 Oct 21. PMID: 19863766

Roppolo LP, **Pepe PE**. Retention, retention, retention: targeting the young in CPR skills training! Crit Care. 2009;13(5):185. PMID: 19769783

Metzger JC, Eastman AL, Benitez FL, **Pepe PE**. The lifesaving potential of specialized on-scene medical support for urban tactical operations. Prehosp Emerg Care. 2009 Oct-Dec;13(4):528-31. PMID: 19731167

Thakar HJ, **Pepe PE**, Rohrich RJ. The role of the plastic surgeon in disaster relief. Plast Reconstr Surg. 2009 Sep;124(3):975-81. PMID: 19730322

Ghosh R, **Pepe P**. The critical care cascade: a systems approach. Curr Opin Crit Care. 2009 Aug;15(4):279-83. PMID: 19606026

Roppolo LP, Westfall A, **Pepe PE**, Nobel LL, Cowan J, Kay JJ, Idris AH. Dispatcher assessments for agonal breathing improve detection of cardiac arrest. Resuscitation. 2009 Jul;80(7):769-72. PMID: 19477058

**Pepe PE**. The CPR revolution: returning to the basics.. JEMS. 2009 Jan;34(1):5-7, 9. PMID: 19256117

What's hot (and cold) in prehospital medicine. **Pepe PE**, Heightman AJ. JEMS. 2009 Jan;34(1):4. PMID: 19256116

**Pepe PE**, Copass MK, Sopko G. Clinical trials in the out-of-hospital setting: rationale and strategies for successful implementation. Crit Care Med. 2009 Jan;37(1 Suppl):S91-101. PMID: 19104231

Klein KR, **Pepe PE**, Burkle FM Jr, Nagel NE, Swienton RE. Evolving need for alternative triage management in public health emergencies: a Hurricane Katrina case study. Disaster Med Public Health Prep. 2008 Sep;2 Suppl 1:S40-4. PMID: 18769266

Eastman AL, Metzger JC, **Pepe PE**, Benitez FL, Decker J, Rinnert KJ, Field CA, Friese RS. Conductive electrical devices: a prospective, population-based study of the medical safety of law enforcement use. J Trauma. 2008 Jun;64(6):1567-72. PMID: 18545125

**Pepe PE**, Dutton RP, **Fowler RL**. Preoperative resuscitation of the trauma patient. Curr Opin Anaesthesiol. 2008 Apr;21(2):216-21. Review. PMID: 18443492

Myers JB, Slovis CM, Eckstein M, Goodloe JM, Isaacs SM, Loflin JR, Mechem CC, Richmond NJ, **Pepe PE**. Evidence-based performance measures for emergency medical services systems: a model for expanded EMS benchmarking.; U.S. Metropolitan Municipalities' EMS Medical Directors. *Prehosp Emerg Care*. 2008 Apr-Jun;12(2):141-51. PMID: 18379908

Miller AH, Nazeer S, **Pepe P**, Estes B, Gorman A, Yancy CW. Acutely decompensated heart failure in a county emergency department: a double-blind randomized controlled comparison of nesiritide versus placebo treatment. *Ann Emerg Med*. 2008 May;51(5):571-8. PMID: 18304693

### **Grants and Contracts:**

**Pepe PE**: "Circulatory Compromise: Opportunities to Improve Outcome". NIH and DOD, funded 2004-2009 (Co-Investigator).

**Pepe PE**: "The IMMEDIATE Trial (a.k.a., Early EMS and ED Use of GIK for Acute Coronary Syndromes)". NIH/NHLBI, funded 2005-2009 (Co-Investigator).

**Pepe PE**: "Pediatric Traumatic Brain Injury Consortium: Hypothermia". NIH/NINDS, funded 2005-2010 (Co-Investigator).

## Department of Physical Therapy

### Publications:

Weber MD, Thein-Nissenbaum J, Bartlet L, Woodall WR, Reinking MF, Wallmann HW, **Mulligan EP**. Competency Revalidation Study of Specialty Practice in Sports Physical Therapy. *N Amer J Sports Med*. 2009 4(3):111-122

Finkel RS, Hynan LS, Glanzman AM, Owens H, **Nelson L**, Campbell SK, Iannaccone ST, the AmSMART Group. "The Test of Infant Motor Performance (TIMP) is a Reliable Test Measure in Spinal Muscular Atrophy type I" *Pediatric Physical Therapy* 2008; 20:242-246.

Hynan LS, **Nelson L**, Glanzman A, Finkel RS, Russman B, Zilke K, Iannaccone ST, and the AmSMART Group. "Comparison of quantitative muscle testing and hand-held myometer in SMA" submitted for review.

**Williamson JW, Querry R**, McColl R, Mathews D. Are decreases in insular regional cerebral blood flow sustained during postexercise hypotension?. *Med Sci Sports Exerc* 41(3):574-80, 2009

**Winchester P, Smith P**, Foreman N, Mosby JM, Pacheco F, **Querry R**, Tansey K. A prediction model for determining over ground walking speed after locomotor training in persons with motor incomplete spinal cord injury. *J Spinal Cord Med*. 32(1):63-71, 2009.

Rizzolo, D, Pinto Zipp, G, Stiskal, D, PT, and **Simpkins, S**. Stress management for students: The immediate effects of yoga, humor, and reading on stress. *Journal of College Teaching and Learning*, 6(8) 77-88. (2009)

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## **Department of Physician Assistant Studies**

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## **Department of Rehabilitation Counseling**

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