



Ashizawa, Tetsuo

Professor & Chief, Department of Neurology
University of Florida

Research Interests

Genetics of Spinocerebellar Ataxia, Movement Disorders, Myasthenia Gravis, and other diseases, Huntington's Disease, Parkinson's Disease

Recent Publications

- de Haro M, Al-Ramahi I, De Gouyon B, Ukani L, Rosa A, Ashizawa A, Cooper TA, Botas J. MBNL1 and CUGBP1 modulate expanded CUG-induced toxicity in a *Drosophila* model of Myotonic Dystrophy Type 1. *Hum Mol Genet* 2006; [Epub ahead of print].
- Gatto, E.M., Gao, R., White, M.C., Roca, M.C.U., Etcheverry, J.L., Persi, G., Poderoso, J.J., Ashizawa, T. (2007). Ethnic origin and extrapyramidal signs in an Argentinean spinocerebellar ataxia type 10 family. *Neurology*, 69(2), 216-218.
- Myers, L., Farmer J.M., Wilson, R.B., Friedman, L., Tsou, A., Perlman, S.L., Subramony, S.H., Gomez, C.M., Ashizawa, T., Wilmot, G.R., Mathews, K.D., Balcer, L.J., Lynch, D.R. (2008). Antioxidant use in Friedreich ataxia. *Journal of the Neurological Sciences*, 267(1-2), 174-176.
- Akatsu, T., Kameyama, K., Araki, K., Ashizawa, T., Wakabayashi, G., Kitajima, M. (2008). Functioning adrenocortical oncocytoma: The first documented case producing interleukin 6 and review of the literature. *Journal of Endocrinological Investigation*, 31(1), 68-73.
- Gao, R., Matsuura, T., Coolbaugh, M., Zuhlke, C., Nakamura, K., Rasmussen, A., Siciliano, M.J., Ashizawa, T., Lin, X. (2008). Instability of expanded CAG/CAA repeats in spinocerebellar ataxia type 10. *Eur J Hum Genet*. 2008 Feb;16(2):215-22. Epub 2007 Nov 28.

Current Funding

NINDS 2 RO1 NS041547-06A1 Ashizawa (PI) 05/01/2006-04/30/2010

Pathogenic Mechanism of Spinocerebellar Ataxia Type 10

The major goal of this project is to elucidate the pathogenic mechanism of SCA10. SCA10 is the only human disease known to be caused by an expansion of a pentanucleotide repeat. Establishing the RNA gain-of-function mechanism in SCA10 will fill the current gap of knowledge and facilitate the development of rational therapy.

NINDS 1U01NS050733-01A1 Newsom-Davis (PI) 09/24/2005-8/31/2010

Thymectomy in non-thymomatous MG patients on Prednisone

This study is to determine therapeutic efficacy of thymectomy in myasthenia gravis patients. Four patients per site are expected to be enrolled.

Role: Site Investigator

HP Therapeutics, Inc. Shoulson (PI) 02/01/2006-2010

Cooperative Huntington's Observational Research Trial (COHORT; NCT00277355)

This is a longitudinal observational study of clinical phenotype of Huntington's disease.

Role: Site investigator

NINDSS 5 U01 NS052592-03 Subcontract R01. Ashizawa (PI) 12/1/2007-11/30/2009

Ashizawa, Tetsuo. Neurology. Coenzyme Q10 in Huntington's Disease. Massachusetts General Hospital Subcontract R01. \$68,000.00/1yr.

Role: Site Investigator



Behrman, Andrea L.

Associate Professor, Department of Physical Therapy
University of Florida
Research Health Scientist, VA Brain Rehabilitation Research Center

Research Interests

Activity-dependent plasticity after spinal cord injury (SCI) examining the effect of treadmill speed during locomotor training on overground walking velocity and reflex modulation in persons with incomplete SCI

Recent Publications

- Bowden MG, Balasubramanian CK, Behrman AL, Kautz SA. Validation of a speed-based classification system using quantitative measures of walking performance post-stroke. *Neurorehabilitation and Neural Repair*, 2008;22:672-675.
- Bowden MG, Fuller L, Behrman AL. Beyond gait speed: A multidimensional approach to locomotor rehabilitation outcomes. *Neurology Report*, 2008, 32:129-38.
- Thigpen MT, Cauraugh J, Creel G, Day K, Flynn S, Fritz S, Frost S, Respees R, Gardner-Smith P, Light K, Brack M, Behrman A. Adaptation of postural responses during different standing perturbation conditions in individuals with incomplete spinal cord injury. *Gait Posture*. 2009 Jan;29(1):113-8. Epub 2008 Sep 6.
- Jayaraman A, Shah P, Gregory C, Bowden M, Stevens J, Bishop M, Walter G, Behrman A, Vandenborne K. Locomotor training and muscle function after incomplete spinal cord injury: case series. *J Spinal Cord Med*. 2008;31(2):185-93.
- Shah P et al. Non-invasive assessment of lower extremity muscle composition after incomplete spinal cord injury. *Spinal Cord*. 2008 Aug;46(8):565-70. Epub 2008 Mar 18
- Behrman AL, Nair PM, Bowden MG, Dauser RC, Herget BR, Martin JB, Phadke CP, Reier PJ, Senesac CR, Thompson FJ, Howland DR. Locomotor training restores walking in a nonambulatory child with chronic, severe, incomplete cervical spinal cord injury. *Phys Ther*. May;88(5):580-90; discussion 590-5. Epub 2008 Mar 6.

Current Funding

VA Rehabilitation R&D Merit Review A6365-R
Development of evidence-based parameter selection for locomotor training
PI: Steve Kautz, PhD, co-PII:Carolynn Patten, PhD, Investigator: Andrea L. Behrman, PhD, PT (10%)
Start date: July, 2008, End date: June, 2011
\$ 672,759, total award

Craig Neilsen Foundation

Restoring walking in non-ambulatory children with severe chronic SCI
PI: Andrea L. Behrman, PhD, PT; co-PI: Dena R. Howland, PhD
Start date: Nov, 2006, Completion date: Nov, 2008, no-cost extension
\$250,000 total award

NIH-NINDS

Locomotor experience applied post-stroke (LEAPS), multisite randomized clinical trial
PI: Pamela Duncan; co-PIs: Andrea Behrman, PhD, PT (25% effort), Katherine Sullivan, PhD, PT
Start date: 9/25/05, Completion date: 9/24/10
\$13,500,000 total award

VA Rehabilitation Research and Development

Mechanisms of response to locomotor training post-stroke
PI: Steve A. Kautz, PhD, co-PI: Andrea L. Behrman, PhD, PT (15% effort)
Start date: Sept, 2005, End date: August, 2009
\$1,715,259 total award



Byrne, Barry J.

Professor & Associate Chair, Pediatrics, Molecular Genetics & Microbiology
University of Florida

Research Interests

Gene and cell therapy to enhance regeneration in both cardiac and skeletal muscle

Recent Publications

Mah C, Pacak CA, Cresawn KO, DeRuisseau LR, Germain S, Lewis M, Cloutier DA, Fuller DD, Byrne BJ. Physiological correction of Pompe disease by systemic delivery of adeno-associated virus serotype 1 vectors. *Mol Ther.* 2007 Mar;15(3):501-7. Epub 2007 Jan 23. PMID: 17245350 [PubMed - in process]

Flotte TR, Conlon TJ, Poirier A, Campbell-Thompson M, Byrne BJ. Preclinical characterization of a recombinant adeno-associated virus type 1-pseudotyped vector demonstrates dose-dependent injection site inflammation and dissemination of vector genomes to distant sites. *Hum Gen Ther.* 2007 Mar;18(3):245-56. PMID:17376008 [PubMed – indexed for MEDLINE]

Polyak S, Mah C, Porvasnik S, Herlihy JD, Campbell-Thompson M, Byrne BJ, Valentine JF. Gene Delivery to Intestinal Epithelial Cells In vitro and In vivo with Recombinant Adeno-Associated Virus Types, 1, 2 and 5. *Dig Dis Sci.* 2007 Oct 13; [Epub ahead of print] PMID:17934813 [PubMed – as supplied by publisher]

Pacak CA, Walter GA, Gaidosh G, Bryant N, Lewis MA, Germain S, Mah CS, Campbell KP, Byrne BJ. Long-term skeletal muscle protection after gene transfer in a mouse model of LGMD-2D. *Mol Ther.* 2007 Oct;15(10):1775-81. Epub 2007 Jul 24. PMID: 17653106 [PubMed – indexed for MEDLINE]

Andino LM, Takeda M, Kasahara H, Jakymiw A, Byrne BJ, Lewin AS. AAV-mediated knockdown of phospholamban leads to improved contractility and calcium handling in cardiomyocytes. *J Gene Med.* 2008 Feb;10(2):132-42. PMID:18064719

Current Funding

NIH/NHLBI, P01 HL59412 "Correction of Inherited Cardiomyopathy using AAV Vectors"	Byrne (Co-PI)	09/01/08 – 06/30/13
R01 HD052682 "Control of Breathing in Glycogen Storage Disease"	Byrne (Co-PI)	02/15/07 – 01/31/11
GM02447 NIH/NHLBI "UFCC for Cell Therapy Network"	Byrne (Co-PI)	12/1/06 – 11/30/2011
PO1 DK58327 NIH/NIDDK "Transduction of Hepatocytes with Recombinant AAV for Correction of Genetic and Metabolic Abnormalities"	Byrne (PI, Proj 3)	08/01/05 – 07/31/11
NIH/NHLBI R01 HL078670 "Noninvasive Monitoring and Tracking Of Muscle Stem Cells".	Byrne (Co-PI)	9/22/04 – 8/31/08
U10EYE017280 NIH "Clinical Trials of Gene Therapy for Leber Congenital Amaurosis" Role: Principal Investigator for Subaward	Kaushal(PI)	09/20/06-08/31/10



George, Steven Z.

Assistant Professor, Department of Physical Therapy
University of Florida

Research Interests

Musculoskeletal pain, physical therapy interventions

Recent Publications

- George SZ, Zeppieri G Jr, Cere AL, Cere MR, Borut MS, Hodges MJ, Reed DM, Valencia C, Robinson A randomized trial of behavioral physical therapy interventions for acute and sub-acute low back pain (NCT00373867). *ME. Pain.* 2008 Nov 15;140(1):145-57. Epub 2008 Sep 10.
- George SZ, Dover GC, Wallace MR, Sack BK, Herbstman DM, Aydog E, Fillingim RB. Biopsychosocial influence on exercise-induced delayed onset muscle soreness at the shoulder: pain catastrophizing and catechol-o-methyltransferase (COMT) diplotype predict pain ratings. *Clin J Pain.* 2008 Nov-Dec;24(9):793-801.
- Bialosky JE, Bishop MD, Price DD, Robinson ME, George SZ. The mechanisms of manual therapy in the treatment of musculoskeletal pain: A comprehensive model. *Man Ther.* 2008 Nov 20. [Epub ahead of print]
- Chmielewski TL, Jones D, Day T, Tillman SM, Lentz TA, George SZ. The association of pain and fear of movement/reinjury with function during anterior cruciate ligament reconstruction rehabilitation. *J Orthop Sports Phys Ther.* 2008 Dec;38(12):746-53.
- George SZ, Hirsh AT. Psychologic influence on experimental pain sensitivity and clinical pain intensity for patients with shoulder pain. *J Pain.* 2009 Mar;10(3):293-9. Epub 2008 Dec 13.
- Beneciuk JM, Bishop MD, George SZ. Clinical prediction rules for physical therapy interventions: a systematic review. *Phys Ther.* 2009 Feb;89(2):114-24. Epub 2008 Dec 18. Review.
- George SZ, Teyhen DS, Wu SS, Wright AC, Dugan JL, Yang G, Robinson ME, Childs JD. Psychosocial education improves low back pain beliefs: results from a cluster randomized clinical trial (NCT00373009) in a primary prevention setting. *Eur Spine J.* 2009 May 6. [Epub ahead of print]

Current Funding

Title: Prevention of Low Back Pain in the Military: A Randomized Clinical Trial

Participation: Principal Investigator of Award Site (30% Effort)

Type: PR054098 Agency: Department of Defense

Direct Costs: \$820,000 Funding Period: 2006 – 2010

Status: On going

This cluster randomized clinical trial investigates the effect of a novel prevention program to limit the development of chronic low back pain in Soldiers.

Title: Pain Rehabilitation: Patient Centered Outcomes (PI: Robinson ME)

Participation: Co-Investigator (5% Effort)

Type: 1R01NS047119-01A2

Agency: National Institutes of Health (NINDS/NIMH)

Direct Costs: \$750,000 Funding Period: 2006 – 2009

Status: On going

This study investigates the reliability and validity of patient determined criteria for outcomes related to various pain rehabilitation interventions.



Kautz, Steven A.

Associate Professor, Department of Physical Therapy
University of Florida

Research Interests

Applying biomechanical and neurophysiological principles to understand the normal coordination of rhythmic locomotor behavior and the specific deficits in bilateral coordination of lower-limb function in persons with post-stroke hemiparesis from a pathophysiological level to functional impairment

Recent Publications

- Sasaki K, Neptune RR and Kautz SA (2008). The relationships between muscle, external, internal and joint mechanical work during normal walking. J Experimental Biology (in press).
- Bowden MG, Balasubramanian CK, Behrman AL and Kautz SA (2008). Validation of a Speed-Based Classification System Using Quantitative Measures of Walking Performance Post-Stroke. Neural Repair & Neurorehabilitation (in press)
- Balasubramanian CK, Neptune RR and Kautz SA (2008). Variability in spatiotemporal step characteristics and its relationship to walking performance post-stroke Gait & Posture (in press)
- Sullivan KJ, Mulroy S and Kautz SA (2008). Walking Recovery and Rehabilitation after Stroke. In: Stroke Recovery and Rehabilitation (Edited by J Stein, Zorowitz, R Harvey, R Macko, and C Winstein). Demos Medical Publishing, New York, NY (in press).
- Goldberg EJ, Neptune RR and Kautz SA (2008). Can Treadmill Walking be used to Assess Propulsion Generation? J Biomech, 41:1805-1808.
- Woodbury ML, Howland D, McGuirk TE, Davis S, Senesac C, Kautz SA and Richards LG (2008). Effects of trunk restraint combined with intensive task-practice on post-stroke upper extremity reach and function: a pilot study. Neural Repair & Neurorehabilitation (in press)

Current Funding

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|---|-------------------------|------------------|
| R&D A6776S | SA Kautz (PI) | 1/2009 – 12/2013 |
| VA Rehabilitation
Research Career Scientist | | |
| R&D Merit Review A6365-R | Kautz and Patten (CoPI) | 7/2008 – 6/2011 |
| VA Rehabilitation
Development of Evidence Based Parameter Selection for Locomotor Training | | |
| R01 HD46820-01 | Kautz (PI) | 6/1/04-5/31/09 |
| NIH/NCHD (NCMRR)
Intramuscular coordination of hemiparetic walking
This study combines experimental data collection and computer modeling to investigate how muscle forces are related to functional walking speed deficits in hemiparetic persons. | | |
| B3983R | Kautz (PI) | 9/1/05-8/31/09 |
| VA Rehabilitation R&D Service
Mechanisms of Response to Locomotor Training after Stroke
This study investigates the effects of locomotor training and seeks to determine predictors and mechanisms of response in persons with post-stroke hemiparesis. | | |
| B4024I | Behrman, Kautz (co-Pis) | 10/1/06-9/30/09 |
| VA Rehabilitation R&D Service
Differential effects of robotic vs. manually-assisted locomotor training
This study compares two modes of locomotor training and seeks to determine mechanisms of response in persons with incomplete spinal cord injury. | | |



Light, Kathye

Associate Professor, Department of Physical Therapy
University of Florida

Research Interests

Motor behavior problems of elderly patients, particularly those with chronic balance problems, cerebral vascular disease, Parkinson's disease, and frailty

Recent Publications

Bishop, M.D., Meuleman, J., Robinson, M., Light, K.E. (2007). Influence of pain and depression on fear of falling, mobility, and balance in older male veterans. *Journal of Rehabilitation Research and Development*, J Rehabil Res Dev. 2007;44(5):675-83.

Malcolm, M.P., Triggs, W.J., Light, K.E., Rothi, J.J.G., Wu, S., Reid, K., Nadeau, S.E. (2007). Repetitive transcranial magnetic stimulation as an adjunct to constraint-induced therapy. *American Journal of Physical Medicine & Rehabilitation*, 86(9), 707-715.

Fritz, S.L., George, S.Z., Wolf, S.L., Light, K.E. (2007). Participant perception of recovery as criterion to establish importance of improvement for constraint-induced movement therapy outcome measures: A preliminary study. *Physical Therapy*, 87(2), 170-178.

Current Funding

NIH, R01 HD37606, 5; Multi-center Grant, Examining Parameters of Extremity Constraint-Induced Therapy (CIMT) Principal Investigator 2005-2010

The goals of this project are to serve as one of three sites for a multi-center trial to test the effectiveness of (1.) delivering a second time period of Constraint-Induced Therapy to individuals post-stroke who have undergone CIMT in a previous time period. (2.) providing CIMT via a home-training program versus in house training.

Florida Biomedical Research Program – Co-Principal Investigator 2005-2008

Principal Investigator, Mark Bishop

“The link between smoking and recovery from frailty in older Floridians.”

The long-term goal of this study is to improve the method of creating individualized rehabilitation programs that will successfully return older Floridians affected by tobacco-related diseases to, and maintain them at, a higher level of independent living.



Martin, A. Daniel

Professor, Department of Physical Therapy
University of Florida

Research Interests

Development and implementation of respiratory conditioning programs for lung transplant and ventilator dependent patients

Recent Publications

- Ozcan MS, Bonnet SW, Martin AD, Gabrielli A, Layon AJ and Banner MJ (2006). Abnormally increased power of breathing as a complication of closed endotracheal suction catheter systems. *Respiratory Care*, 51, 423-425.
- Chiara, T, D Martin, PW Davenport, D Bolser. Expiratory muscle strength training in persons with multiple sclerosis having mild to moderate disability: Effect on maximal expiratory pressure, pulmonary function, and maximal voluntary cough. *Arch Phys Med Rehabil*, 87(4), 468-473.
- Davenport, P.O., Bolser, D.C., Vickroy, T., Berry, R.B., Martin, A.D., Hey, J.A., Danzig, M. (2007). The effect of codeine on the Urge-to-Cough response to inhaled capsaicin. *Pulmonary Pharmacology & Therapeutics*, 20(4), 338-346.
- Vovk, A., Bolser, D.C., Hey, J.A., Danzig, M., Vickroy, T., Berry, R., Martin, A.D., Davenport, P.W. (2007). Capsaicin exposure elicits complex airway defensive motor patterns in normal humans in a concentration-dependent manner. *Pulmonary Pharmacology & Therapeutics*, 20(4), 423-432.

Current Funding

Respiratory Muscle Training in Ventilator Dependent Patients

Principal Investigator: AD Martin

Funding Agency: NIH

Type: R01-HD042705, December 2003- November 2008

The primary objective of this grant is to investigate the effects of a respiratory muscle rehabilitation program on the percentage of ventilator dependent patients weaned versus a SHAM condition.

Treatment of Obesity in Underserved Rural Settings

Principal Investigator; Michael Perri

Funding Agency: NIH-NHLBI

Type: R01, March 2003-June 2008. The objective of this project is to compare two levels of weight loss management on obesity in underserved rural environment in North Florida. There is no overlap in this project and the proposed project.



Patten, Carolynn

Associate Professor, Department of Physical Therapy
University of Florida

Research Interests

Stroke, gait, strength and motor function

Recent Publications

- Westlake, K.P.*, Patten, C. Pilot Study of Robot versus Manual-Assisted Treadmill Training for Locomotor Recovery Post-Stroke. *Journal of Neuroengineering & Rehabilitation*, February, 2009.
- DeGroot, F., Jonkers, I.*, Demeulenaere, Patten, C., Swevers, De Schutter. A physiology based inverse dynamic analysis of human gait: potential and perspectives. *Computer Methods in Biomechanics and Biomedical Engineering*, *in press*.
- Clark, D.J.*, Patten, C., Reid, K.F., Carabello, R.J., Phillips, E.M., Fielding, R.A. Impaired Neural Activation Limits Muscle Power in Mobility-limited Older Adults. *Neurobiology of Aging*, *submitted*.
- Patten, C., Condliffe, E.G., Dairaghi, C.A., Lum, P.S. Upper-extremity functional gains after dynamic resistance training in post-stroke hemiparesis. *Physical Therapy*, *submitted*.
- Patten, C., Condliffe E.G., and Lum PS. High-intensity Resistance Training Improves Stretch Reflex Modulation in Post-stroke Hemiparesis, *Physical Therapy*, *submitted*.
- Lum, P.S., Patten, C. Torque production is increased by high-intensity resistance training, but unchanged by functional task practice therapy in persons post-stroke. *Physical Therapy*, *submitted*.

Current Funding

- Pilot Project (B5016R) Patten (PI) 5/1/2009-4/30/2010
VA Rehabilitation Research and Development *Neuromuscular Adaptations to UE Resistance Training Post-stroke* This study is a one year companion pilot project to identify and differentiate neural and muscular contributions to strength and motor function that demonstrate adaptation in hemiparetic persons undergoing therapeutic intervention in a larger clinical investigation of upper-extremity rehabilitation. Role: PI
- Merit Review (A6365B) Kautz and Patten (Co-PIs) 8/1/2008 – 7/31/2011
VA Rehabilitation Research and Development *Development of Evidence-based Parameter Selection for Locomotor Training Post-stroke* This study is a three year project to determine the effects of three locomotor training parameters: non-paretic limb movement, non-paretic limb loading and walking speed on motor output of the paretic limb during partial body-weight supported treadmill training in persons post-stroke. Role: Co-PI
- Merit Review (B3964R) Patten (PI) 8/1/2005-7/31/2010
VA Rehabilitation Research and Development *Mechanisms of Upper Extremity Recovery in Post-stroke Hemiparesis* This study is a randomized cross-over design testing the effectiveness of dynamic, high-intensity resistance training vs. functional, task specific training for upper-extremity motor recovery in persons post-stroke. Role: PI
- Merit Review (B54023) Patten (PI) 8/1/2005-7/31/2009
VA Rehabilitation Research and Development *Internally v. Externally-driven BWSTT for Locomotor Recovery Post-stroke* This study seeks to elucidate the biomechanical and neurophysiological controls mechanisms of locomotion using two locomotor paradigms: BWSTT (internally-driven) and Lokomat (externally-driven)
Role: PI
- R01 NS051507 McGill (PI) 1/15/2006-12/31/2009
NIH/National Institute of Neurological Disorders and Stroke
EMG-based Estimation of Muscle Structure and Function The major goals of this project are to establish a firm scientific basis for the validity of EMG decomposition and to promote its wider application in basic and clinical neurophysiology.
Role: Co-I



Perri, Michael G.

Interim Dean, College of Public Health & Health Professions
University of Florida

Research Interests

Health promotion, obesity, exercise

Recent Publications

Perri, M. G., Foreyt, J. P., & Anton, S. D. (2008). Prevention of weight regain after weight loss. In G. A. Bray and C. Bouchard (Eds.), *Handbook of obesity treatment: Clinical applications* (3rd ed., pp.249-268). New York: Informa Healthcare.

Tinker, L. F., Bonds, D. E., Margolis, K. L., Manson, J. E., Howard, B. V., Larson, J., Perri, M. G., Beresford, S. A. A., Robinson, J., Rodriquez, B., Safford, M., Wenger, N., Stevens, V., & Parker, L. M. (2008). Low-Fat Dietary Pattern and Risk of Treated Diabetes Mellitus in Postmenopausal Women: The Women’s Health Initiative (WHI) Randomized Controlled Dietary Modification Trial (DMT). *Archives of Internal Medicine*, 168, 1500-1511.

Janicke, D. M., Sallinen, B. J., Perri, M. G., Lutes, L. D., Silverstein, J. H., Huerta, M. G., & Guion, L.A. (2008). Sensible Treatment of Obesity in Rural Youth (STORY): Design and Methods. *Contemporary Clinical Trials*, 29, 270-280.

Perri, M. G., Limacher, M. C., Durning, P. E., Janicke, D. M., Lutes, L. D., Bobroff, L. B., Dale, M. S., Daniels, M. J., Radcliff, T. A., & Martin A. D. (2008). Extended-care programs for weight management in rural communities: The Treatment of Obesity in Underserved Rural Settings (TOURS) randomized trial. *Archives of Internal Medicine*, 168, 2347-2354.

Janicke, D. M., Sallinen, B. J., Perri, M. G., Lutes, L. D., Huerta, M., Silverstein, J., & Brumback, B.A. (2008). A weight management effectiveness trial for children in underserved rural settings: Post-treatment outcomes from Project STORY. *Archives of Pediatrics and Adolescent Medicine*, 162, 1119-1125.

Janicke, D. M., Bethany J. Sallinen, B. J., Perri, M. G., Lutes, L. D., Silverstein, J. H. & Brumback, B. (in press). Comparison of program costs for parent-only and family-based interventions for pediatric obesity in medically underserved rural settings. *Journal of Rural Health*.

Murawski, M. E., Vanessa A. Milsom, V. A., Ross, K. M., Rickel, K. A., DeBraganza, N., Gibbons, L. M., & Perri, M. G. (in press). Problem solving, treatment adherence and weight-loss outcome among women participating in lifestyle treatment for obesity. *Eating Behaviors*.

Ross, K.M., Milsom, V.A., Rickel, K.A., DeBraganza, N., Gibbons, L. M., Mary E. Murawski, M.E., & Perri, M.G. (in press). The contributions of weight loss and increased physical fitness to improvements in health-related quality of life. *Eating Behaviors*.

Current Funding

1R18HL087800	Perri (PI)	06/01/2007 – 05/31/2012
“Rural Lifestyle Intervention Treatment Effectiveness Trial (Rural LITE)”		
1 R01 HL076441	Rejeski (PI)	08/01/2005-7/31/2010
Cooperative Lifestyle Intervention Program (CLIP)		
1 P30 AG028740	Pahor (PI)	04/01/2007 – 03/31/2012
Claude D. Pepper Older American Independence Center (OAIC)		
1 R01 CA112594	Kiernan (PI)	07/11/2007-05/31/2011
Promoting Healthy Weight with “Stability First”		
1 R21 DA024294	Helal (PI)	09/15/2007 – 09/14/2011
Smart Home-Based Health Platform for Behavioral Monitoring		



Reier, Paul J.
Professor
Department of Neuroscience
University of Florida

Research Interests

Cell biology of neurons and glia in the developing and injured peripheral and central nervous systems

Recent Publications

- Tassi, E, Walter, S, Aigner, A, Cabal-Manzano, RH, Ray, R, Reier, PJ, Wellstein, A (2007). Effects on neurite outgrowth and cell survival of a secreted fibroblast growth factor binding protein-upregulated during spinal cord injury. *Am J Physiol*, 293(2), R775-R783.
- Foust, KD, Flotte, TR, Reier, PJ, Mandel, RJ (2008). Recombinant adeno-associated virus-mediated global anterograde delivery of glial cell line-derived neurotrophic factor to the spinal cord: Comparison of rubrospinal and corticospinal tracts in the rat. *Hum Gene Ther*, 19(1), 71-82.
- Behrman AL, Nair PM, Bowden MG, Dauser RC, Herget BR, Martin JB, Phadke CP, Reier PJ, Senesac CR, Thompson FJ, Howland DR. Locomotor training restores walking in a nonambulatory child with chronic, severe, incomplete cervical spinal cord injury. *Phys Ther*. 2008 Mar 6;. [Epub ahead of print] PMID: 18326054.
- Fuller DD, Doperalski NJ, Dougherty BJ, Sandhu MS, Bolser DC, Reier PJ. E Modest spontaneous recovery of ventilation following chronic high cervical hemisection in rats. *xp Neurol*. 2008 Feb 1;. [Epub ahead of print] PMID: 18308305.

Current Funding

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|---|---------------------------|-------------------------|
| Sangamo Biosciences, Inc. | (Contract: PI – PJ Reier) | 07/01/06-06/30/2011 |
| "Safety and Feasibility of Viral Vector- or Plasmid- Based Targeting of Zinc Finger Protein Gene Activators in the Normal and Injured Rat Spinal Cord" | | |
| 1 R01 NS054025-01 | (PI: Reier) | 01/01/2006 – 12/31/2010 |
| NIH/NINDS Percent Effort: 25% | | |
| "Plasticity and Repair in the Phrenic Motor System" | | |
| Annual Direct Costs: \$225,000 | | |
| The goal of this project is to determine whether there is a rearrangement in spinal circuitry mediating a form of respiratory plasticity following high cervical spinal cord injury, and whether this neuroplastic mechanism can be enhanced by blocking the Nogo receptor and/or neural tissue transplantation. | | |
| 1 RO1 HD 052682-01 | (PI: D. Fuller) | 04/01/2006 – 03/31/2011 |
| NIH/HD Percent Effort: 10% | | |
| "Control of breathing and glycogen storage disease" | | |
| Annual Direct Costs: \$250,000 | | |
| The goal of this project is to determine the neural contribution to respiratory insufficiency in a murine model of glycogen storage disease (i.e., Pompe's disease) and test the efficacy of adeno-associated viral vectors directed at restoring intraneuronal α -glucosidase levels in improving respiratory function. No overlap with the current proposal. | | |
| The Craig H. Neilsen Foundation | (PI: Behrman) | 12/01/2007 – 11/30/2009 |
| "Restoring walking in non-ambulatory children with severe chronic SCI" | | |
| Annual Total Costs: \$250,000 2.5% | | |
| The goal of this project is to assess locomotor training and potential residual pathways that may result in the improved ambulation of human pediatric SCI subjects who initially exhibit a complete absence of volitional movement below the spinal level of injury. | | |

Robinson, Michael E.

Professor, Department of Clinical & Health Psychology
University of Florida

Research Interests

Cognitive Neuro-Science, Pain, Sensory Systems

Recent Publications

- George SZ, Zeppieri G Jr, Cere AL, Cere MR, Borut MS, Hodges MJ, Reed DM, Valencia C, Robinson ME. A randomized trial of behavioral physical therapy interventions for acute and sub-acute low back pain (NCT00373867) Pain. 2008 Nov 15;140(1):145-57. Epub 2008 Sep 10.
- Bialosky JE, Bishop MD, Price DD, Robinson ME, George SZ. The mechanisms of manual therapy in the treatment of musculoskeletal pain: A comprehensive model. Man Ther. 2008 Nov 20. [Epub ahead of print]
- Bialosky JE, Bishop MD, Robinson ME, Barabas JA, George SZ. The influence of expectation on spinal cord manipulation induced hypoalgesia: An experimental study in normal subjects. Musculoskeletal Disorders 2008; 9-19.
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