

# Student, Faculty, and Staff Accomplishments – 2009

*University of Colorado Denver Physical Therapy Program*

## Awards and Honors

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Bade, Mike	Awarded Outstanding PhD Student in Clinical Investigation Award for 2008, Clinical Sciences Program
Hannen, Linda	Awarded Bob Doctor Service Award, Colorado Chapter
PT Students	Foundation for Physical Therapy, Marquette Challenge, second place winners out of 63 schools for \$14,450 contribution
Stephenson, Jennifer	Awarded Outstanding PhD Student in Clinical Investigation Award for 2008, Clinical Sciences Program
Struessel, Tami	Awarded the Outstanding Physical Therapist of the Year, Colorado Chapter APTA
Yasbin, Hope	Awarded the Pauline Cerasoli Academic and Clinical Excellence Award for PT Students, Colorado Chapter APTA

## Funded Grants - Active

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**Christiansen C, Stevens-Lapsley JE.** Limb loading asymmetry with total knee arthroplasty. Bob Doctor Research Grant from the University of Colorado Foundation.

Cleland J (PI), Bienbiek M, **Mintken PE.** Manual therapy and exercise versus home exercises in the management of patients' status post ankle sprain: a multi-center randomized clinical trial. Orthopaedic Physical Therapy Products (OPTH) Grant from the American Academy of Orthopaedic Manual Physical Therapists (AAOMPT).

Cleland J (PI), Hammerich A, **Mintken PE** (Co-investigator), **Struessel T**, Akuthota V, Whitman J. Epidural steroid injection versus epidural steroid injection and physical therapy in the management of lumbar spinal stenosis: a randomized clinical trial. Orthopaedic Section, American Physical Therapy Association (APTA).

Hammerich A (PI), Cleland J, **Mintken PE** (Co-investigator), **Struessel T**, Akuthota V, Whitman J. Epidural steroid injection versus epidural steroid injection and physical therapy in the management of lumbar spinal stenosis: a randomized clinical trial. Bob Doctor Research Grant, Colorado Chapter of the American Physical Therapy Association (APTA).

Hepburn S (PI), **Rapport MJ** (Consultant). Develop and evaluate the use of interactive videoconferencing technology to provide mental health intervention to families of children with ASD who are geographically removed from specialty medical centers. Health Resources and Service Administration (HRSA).

**Maluf KS** (PI). Center for Women's Health Research Junior Faculty Development Award, Oct 1, 2009-Sep 30, 2010. (\$25,000 total directs). To determine the effects of sex and age on stress-evoked motor activity in patients with chronic neck pain.

**Maluf KS (PI).** Effects of psychosocial stress on intrinsic activation of human motor neurons. National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health.

**Maluf KS (PI).** Task dependent mechanisms of neuromuscular activation. National Institutes of Health Clinical Loan Repayment Program.

## Student, Faculty, and Staff Accomplishments – 2009

University of Colorado Denver Physical Therapy Program

### Funded Grants – Active *continued*

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**Melanson EL (PI)**. Energy expenditure & activity during & after exercise-induced weight loss. National Institutes of Health.

Moss M (PI), **Schenkman M**, Quan D, **Nordon-Craft A**. The diagnosis and treatment of critical illness polyneuromyopathy in patients with acute respiratory failure. National Institute Nursing Research.

Puentedure L (PI), **Mintken PE**, Cleland J (Co-investigators). Development of a clinical prediction rule to identify patients with neck pain likely to benefit from cervical spine manipulation. Cardon Rehabilitation Grant from the American Academy of Orthopaedic Manual Physical Therapists (AAOMPT).

Robinson, C (PI), **Rappport MJ** (PT Discipline Director). Leadership education in neurodevelopmental and related disorders training program. [Education Training Grant]. Maternal Child Health Bureau, Health Resources and Service Administration.

**Schenkman M** (PI). Exercise intervention for people with Parkinson's disease. National Institute of Child Health and Human Development, National Institutes of Health.

**Schenkman M** (PI), Carollo JJ, **Christiansen CL**, Davidson BS, **Maluf KS**, Solomonow M, **Stevens-Lapsley JE**. Interdisciplinary Movement Science Laboratory. Academic Enrichment Fund New Strategic Research Initiative, School of Medicine. University of Colorado Denver.

**Schenkman M**, **Hebert J**, Corboy J. The effects of vestibular rehabilitation on MS-related fatigue: randomized control trial. National Multiple Sclerosis Society.

Schwartz RS (PI), Enoka RM (Mentor), **Maluf KS** (Mentor), Pascoe MA (Fellow). University of Colorado Aging Training Grant. National Institute on Aging, National Institutes of Health.

Sokol R (PI), Kohrt WM (Mentor), Spencer R (Mentor), **Maluf KS** (Fellow). Mechanisms and treatment of stress-evoked muscle activity. Colorado Translational and Clinical Sciences Institute, National Institutes of Health.

**Stevens-Lapsley JE** (PI). Early NMES to improve quadriceps muscle function after total knee arthroplasty. National Institutes of Health K Award.

**Stevens-Lapsley JE** (PI). Empi Electrotherapy Research Program. NMES after Total Knee Arthroplasty to Improve Muscle Function.

**Stevens-Lapsley JE** (PI). Functional outcomes following minimally invasive total knee arthroplasty. National Institutes of Health.

**Stevens-Lapsley JE** (PI). Quadriceps muscle function after minimally invasive total knee arthroplasty. Arthritis Foundation New Investigator Award.

Umeda M (PI), **Maluf KS** (Mentor). Exercise-induced hypoalgesia in patients with chronic neck pain. John J. Bonica Post-doctoral Trainee Fellowship, International Association for the Study of Pain.

**Valvano V** (PI), Carollo JJ, Winders P, **Rappport MJ**. Bimanual task analysis discerns limitations in motor control in children with Down Syndrome. Colorado Clinical and Translational Sciences Institute, University of Colorado Denver.

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### Manuscripts

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Carpenter KJ, **Mintken PE**, Cleland JA. Evaluation of outcomes in patients with neck pain treated with thoracic spine manipulation and exercise: a case series. *New Zealand Journal of Physiotherapy*. 2009;37(2):71-80.

**Christiansen CL**, **Schenkman ML**, McFann K, Wolfe P, Kohrt WM. Walking economy in people with Parkinson's disease. *Mov Disord*. 2009;24:1481-1487. Podium presentation at Combined Sections Meeting, APTA. Las Vegas, NV; February 2009.

Hodgin KE, **Nordon-Craft A**, Mealer ML, Moss M. Physical therapy utilization in intensive care units: results from two national surveys. *Crit Care Med*. 2009;37:561-568.

MacLean PS, Higgins JA, Wyatt HR, **Melanson EL**, Johnson GC, Jackman MR, Giles ED, Brown IE, Hill JO. Regular exercise attenuates the metabolic drive to regain weight after long-term weight loss. *Am J Physiol Regul Integr Comp Physiol*. 2009;297:R793-802.

**Melanson EL**, Gozansky WS, Barry DS, Maclean PS, Grunwald GK, Hill JO. When energy balance is maintained, exercise does not induce negative fat balance in lean sedentary, obese sedentary, or lean endurance-trained individuals. *J Appl Physiol*. 2009 Oct 15 [Epub ahead of print].

**Mintken PE**, Glynn P, Cleland JA. Psychometric properties of the shortened disabilities of the Arm, Shoulder and Hand Questionnaire (QuickDASH) and Numeric Pain Rating Scale in patients with shoulder pain. *J Shoulder Elbow Surg*. 2009; Nov-Dec 18(6):920-926.

Petterson SC, Mizner RL, **Stevens JE**, Raisis L, Bodenstab A, Snyder-Mackler L. Quadriceps force and functional recovery following total knee arthroplasty: randomized clinical trial of volitional strength training and neuromuscular electrical stimulation. *Arthritis Rheum*. 2009 Feb 15;61(2):174-83.

Sazonov E, Schuckers S, Lopez-Meyer P, Makayev O, **Melanson EL**, Neuman MR, Hill JO. Toward objective monitoring of ingestive behavior in free living population. *Obesity*. 2009 Oct;17(10):1971-1975.

**Schenkman M**, **Jordan S**, Akuthota V, et al. Functional movement training for recurrent low back pain: lessons from a pilot randomized controlled trial. *PM&R*. 2009;1:137-146.

**Stevens-Lapsley JE**, Ye F, Liu M, Borst SE, Conover C, Yarasheski KE, Walter GA, Sweeney HL, Vandenberg K. Impact of viral mediated IGF-I gene transfer on skeletal muscle following cast immobilization. To be submitted to the *Am J Physiol Endocrinol Metab*. December 2009.

Volpe SL, **Melanson EL**, Kline G. Validation of bioelectrical impedance analysis to hydrostatic weighing in male body builders. *Acta Diabetol*. 2009 Feb [Epub ahead of print].

Whitman JM, Cleland JA, **Mintken PE**. Clinical prediction rules in physical therapy: coming of age? [Letter to the Editor in Chief]. *J Orthop Sports Phys Ther*. 2009;39(3):231-232.

Whitman JM, Cleland JA, **Mintken PE**, et al. Predicting short-term response to thrust and non-thrust manipulation and exercise in patients post inversion ankle sprain. *J Orthop Sports Phys Ther*. 2009;39(3):188-200.

# Student, Faculty, and Staff Accomplishments – 2009

University of Colorado Denver Physical Therapy Program

## Book Chapters

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Jones M, **Rapport MJ**. Federal and state court decisions, state education agency hearings, and letters of inquiry. In: McEwen I, ed. *Providing physical therapy services under Parts B and C of the IDEA (2nd ed.)*. Alexandria, VA: Section on Pediatrics of the American Physical Therapy Association. 2009.

Louw A, **Mintken PE**, Puentedura L. Neuro-physiological effects of neural mobilization maneuvers. In: Fernández de las Peñas C, Arendt-Nielsen L, Gerwin R, eds. *Physical Therapy for Tension Type and Cervicogenic Headache: Physical Examination, Muscle and Joint Management*. Sudbury, MA: Jones and Bartlett; 2009.

**Mintken PE**, Cleland JA. Thoracic spine clinical decision making. In: Sueki D, Brechter J, eds. *Orthopedic Rehabilitation Clinical Advisor*. Elsevier; 2009.

Puentedura E, Louw A, **Mintken PE**. Neurodynamic interventions for the management of patients with headache. In: Fernández de las Peñas C, Arendt-Nielsen L, Gerwin R, eds. *Physical Therapy for Tension Type and Cervicogenic Headache: Physical Examination, Muscle and Joint Management*. Sudbury, MA: Jones and Bartlett; 2009.

## Appointed or Elected Offices and Advisory Groups

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### *American Physical Therapy Association – National*

Johnson, Cynthia	Vice President/Program Chair for the Hand Rehabilitation Section
Mintken, Paul	Item writer for the Specialization Academy of Content Experts (SACE)
Rapport, Mary Jane	Advisory Group, Physical Therapist Centralized Application Service (PTCAS) Section on Pediatrics, Region II Director Section on Pediatrics, Education Committee Co-Chair
Rodriguez, Jenny	Clinical Instructor Education Board Education Section, Research Committee Member
Schenkman, Margaret	Nominating Committee, Neurology Section
Valvano, Joanne	Chair of Subcommittee for CSM Abstract Review, Pediatric Section Research Committee

### *American Physical Therapy Association – Colorado Chapter*

Dannemiller, Lisa	Board Member, Pediatric Special Interest Group President
Hannen, Linda	Co-Chair, Nominating Committee Professional Development Committee
Jordan, Sharon	Professional Development Committee
Mintken, Paul	Chair, Awards Committee
Rapport, Mary Jane	Delegate at Large

## Student, Faculty, and Staff Accomplishments – 2009

University of Colorado Denver Physical Therapy Program

### Appointed or Elected Offices and Advisory Groups *continued*

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Sawyer, Eric	Member, Awards Committee Member, Governmental Affairs Committee
Stevens-Lapsley, Jennifer	Co-Chair, Research Committee

### Other Professional Activities

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Bookstein, Nancey	President, Board of Directors and Physical Therapist, St. Benedict Health and Healing Ministry (Free Clinic), Boulder, CO
Christiansen, Cory	Manuscript Reviewer: <i>Archives of Physical Medicine &amp; Rehabilitation</i> , <i>Gait &amp; Posture</i> , <i>Movement Disorders</i> , and <i>Physical Medicine &amp; Rehabilitation</i>
Dannemiller, Lisa	Manuscript Reviewer: <i>Physical Therapy</i> and <i>Pediatric Physical Therapy</i>
Hannen, Linda	Member of the Clinical Educator's Forum Faculty Liaison to the UCD PT Alumni Association
Johnson, Cindy	Member of the Clinical Educator's Forum Board Member, Denver Hand Special Interest Group Question Reviewer/Validator for Hand Therapy Certification Commission. Chair of Flashcard Committee, Education Division of American Society of Hand Therapists
Maluf, Katrina	Manuscript Reviewer: <i>Physical Therapy</i> , <i>Journal of Applied Physiology</i> , <i>Journal of Neurophysiology</i> , and <i>Exercise and Sport Sciences Reviews</i> Rehabilitation Science PhD Program Advisory Committee Chair Comprehensive and Dissertation Examination Committee Member, Department of Integrative Physiology, Clinical Sciences Program
Mintken, Paul	Represented American Physical Therapy Association (APTA) headquarters at a nomenclature working group at an interdisciplinary symposium Chair of task force working towards the standardization of manual therapy language for the American Academy of Orthopaedic Manual Physical Therapists (AAOMPT) Item writer for the Specialization Academy of Content Experts (SACE), APTA. Manuscript Reviewer: <i>JOSPT</i> and <i>Clinical Journal of Pain</i>
Rapport, Mary Jane	Manuscript Reviewer: <i>Physical Therapy</i> and <i>Pediatric Physical Therapy</i> Interprofessional Education Committee, AMC

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### Other Professional Activities *continued*

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Schenkman, Margaret	Editorial Board Member, Physical Medicine & Rehabilitation Member of Data Safety Monitoring Board for a multi-site surgical trial for people with Parkinson's disease Manuscript Reviewer: <i>Physical Therapy, JNPT, Posture and Gait, and Physical Medicine and Rehabilitation</i>
Stevens-Lapsley, Jennifer	Program Director, Health Volunteers Overseas, Nicaragua Scientific and Advisory Review Committee (SARC) Manuscript Reviewer for: <i>Physical Therapy, Arthritis Care and Research, Muscle and Nerve, Clinical Orthopaedics and Related Research, Journal of Sports Science and Medicine, and Cochrane Reviews</i> Comprehensive and Dissertation Committee Member, Department of Integrative Physiology, Clinical Sciences
Struessel, Tami	PT Advisory Committee, Department of Regulatory Agencies (DORA)
Valvano, Joanne	Editorial Board: <i>Physical and Occupational Therapy in Pediatrics</i> Manuscript Reviewer: <i>Physical Therapy, Pediatric Physical Therapy</i>