

# CURRICULUM VITAE

Penny G. Kroll, PT, PhD  
Professor  
School of Physical Therapy  
College of Health Professions  
Marshall University  
(304-696-5295)  
[kroll@marshall.edu](mailto:kroll@marshall.edu)

## Education and Training

- 1988 Ph.D. New York University, New York, NY, Clinical Research in Physical Therapy
- 1983 M.A. New York University, New York, NY, Kinesiology of the Disabled
- 1975 B.S. Louisiana State University Health Sciences Center, New Orleans, LA, Physical Therapy

## Professional Experience/Employment History

### Academic

- Aug 2010-present School of Physical Therapy Chair and Professor, Graduate Faculty, Marshall University, School of Health Professions, Department of Physical Therapy.
- As inaugural department chair of a new developing Doctor of Physical Therapy (DPT) Program, responsible for developing the DPT curriculum and all supportive documentation, locating and designing space, and hiring faculty for the new program in preparation for submitting the Candidacy Application for a new DPT program to the Commission on Accreditation of Physical Therapy Education.
- June 2007-Aug. 2010 Department Head and Professor, Louisiana State University Health Care Center, School of Allied Health Professions, Department of Physical Therapy.
- Responsible for: a) management of department with 7 full-time, and approximately 110 entry-level Doctor of Physical Therapy (DPT) students, b) completion of administrative tasks related to running an academic PT program such as maintaining the budget, assuring maintenance of compliance with regulations of the faculty, students and staff, etc., c) recruitment, development and retention of faculty and staff including the PT Faculty Practice within the Department, d) representing the Program within the School and University and to the public, the PT profession and other health care professions and organizations.
- Responsible for: a) maintaining compliance with accrediting agencies (submitted CAPTE Self Study and Response to On-Site Visit Report Fall, 2009 for April review), b) directing PT educational activities within the Department, College, and University including curriculum development and evaluation, c) representing PT program in School and University Committees, e) teaching in specialty areas, e) and participating in scholarly activities in area of specialty.
- As Coordinator/Overseer of the PT aspect of the LSU System Health Care Services Contracts, responsible for: a) recruitment, selection and assignment of

clinical staff, b) development and oversight of clinical service provision in the Health Care Services Division of the LSU System, including c) contract negotiation, administrative supervision of PT staff at UMC, EKL, LSUI, Angola, and the Department PT Faculty Practice.

June 2003-June 2007 Chair and Associate Professor, Thomas Jefferson University, Jefferson College of Health Professions, Department of Physical Therapy.

Responsible for a) management of department with 11 full-time and numerous adjunct faculty, and approximately 120 entry-level Doctor of Physical Therapy (DPT) students, b) design and implementation of Transitional DPT curriculum and program (tDPT Program), c) serve as Program Director of tDPT program with approximately 12-15 students yearly. d) complete administrative tasks related to running an academic PT program, maintaining compliance with accrediting agencies, directing PT educational activities within the Department, College, and University e) Representing PT program in School, College and University Committees f) teaching in specialty areas, g) supervising student scholarly work g) and participating in scholarly activities in area of specialty.

Mar. 2001 to May, 2003 Associate Professor and  
Aug. 1991-March, 2001 Assistant Professor

Graduate Faculty, University of Miami Department of Orthopaedics and Rehabilitation, Division of Physical Therapy, Miami, FL.

Responsible for a) Entry-level DPT PTS 572 Clinical Kinesiology and Biomechanics and PTS 542 Electrotherapy b) Teaching PhD course PTS 620 and 621, PTS 698, 699, 720; c) Teaching Elective Units in Biomechanical Evaluation of the Foot, and L.E. Total Joint Replacements; d) Guest Lecturer in the Division in areas of Specialty in various courses in Entry Level Master's, DPT and PhD Programs; e) Student Advising, f) Supervising Graduate Student Research; g) Admissions Coordinator and Chair of Division of Physical Therapy Admissions Committee, h) Chair of Task Force on implementation of entry-level DPT program and Chair of Task Force on implementation of Transitional DPT program.

Sept.1985 to Sept.1987 Instructor, Hunter College, School of Health Sciences, Department of Physical Therapy, New York, N.Y.

Responsible for a) teaching coursework in Kinesiology, Orthopaedics, Anatomy, Prosthetics and Orthotics, Physical Therapeutic Agents, and selected topics in Research Design, Electromyography, Isokinetics, and Pulmonary Physical Therapy, member of the School of Health Science Research Committee.

Sept.1985 to Sept.1987 Research Therapist, Part-time, Department of Orthopaedics, and Consultant to Physical Therapy and Occupational Therapy Department, Hospital for Joint Diseases-Orthopaedic Institute, New York, New York.

Responsible for participating in research within the Orthopaedic, and Bioengineering department and for assisting in development of P.T./O.T. in-house therapeutic programs, continuing education programs, and hospital based academic coursework.

Jan. 1985 to June 1986 Adjunct Assoc. Professor, Part-time, Dept. of Physical Therapy, Long Island University.

Responsible for a) coordinating/lecturing in coursework in Orthopaedics/Musculo-skeletal Medical Science and teaching course in Research Methods. b) consulting on curriculum for development of Advanced Graduate Program in Musculoskeletal Physical Therapy.

Jan. 1985 to May, 1985 Coordinator of Doctoral seminar, Part-time, Department of Biomechanics and Ergonomics, SEHNAP, New York University, N.Y.C.

Responsible for coordinating doctoral seminar, scheduling speakers, organizing course activities.

Mar. 1984 to Aug. 1985 Research Therapist, Department of Orthopaedics, Hospital for Joint Diseases, Orthopaedic Institute (HJD-OI), New York, N.Y.

Responsible for a) initiating and participating in research within orthopaedics, and P.T./O.T. departments, b) coordinator and lecturer for Hunter College Physical Therapy Orthopaedics course through Orthopaedics Dept., HJD-OI, c) lecturer for hospital and community activities, such as Annual Student Athletic Trainer Program, HJD-OI.

Aug. 1979 to Aug. 1980 Instructor, Part-time, Ithaca College, Albert Einstein University Medical Center, Physical Therapy Department.

Responsible for a) coursework and laboratories in exercises in orthopaedic disorders, electromyography, joint examination, modalities, and advanced therapeutic exercise, b) supervising senior student's research projects.

Sept. 1978 to Aug. 1980 Adjunct faculty, Part-time, N.Y.U. Medical Center, Physical Therapy Department in Certificate and B.S. degree programs.

Responsible for: laboratories in Neuroscience and Neuroanatomy, Bio-electronics, and Therapeutic Exercise. Adjunct faculty, N.Y.U. Post-graduate Medical School, Prosthetics and Orthotics, laboratory instructor in lower extremity prosthetics.

### **Clinical Practice**

March, 1997-2001 Clinician, Part-time, University of Miami Physical Therapy Associates, Miami, FL.

Responsible 1) Evaluation and Treatment of patients in outpatient setting; 2) student supervision for clinical internship, as indicated.

Aug. 1991-Dec. 1993 Clinician, Part-time, University of Miami Physical Therapy Associates, Miami, FL.

Responsible for 1) Evaluation and Treatment of patients in outpatient setting.

Aug. 1990 to June, 1991 Senior Staff Therapist, Hospital for Special Surgery, New York, N.Y.

Responsible for 1) evaluation and treatment of an inpatient orthopaedic population, primarily THR and TKR 2) supervision of staff physical therapists and physical therapy assistants, 3) reducing and imputing clinical research data on functional milestones in THR and TKR patients.

July, 1989 to Aug. 1991 Private Practice/Contract Therapist, New York, N.Y.

Responsible for 1) evaluation and treatment of a private patient population, mainly orthopaedic in nature, the greater number of which had hand/upper extremity involvement. 2) contract therapist with the New York Board of Education treating 5 to 10 y.o. children with various neuromuscular diagnoses.

Sept. 1987 to July, 1989 Director, Department of Physical and Occupational Therapy, Hospital for Joint Diseases, New York, N.Y.

Responsible for staff of 51 including 12 Occupational Therapists (O.T.'s), 2 O.T. assistants, and 28 Physical Therapists. The department, which provided services to a 200 bed orthopaedic inpatient population and to approximately 150 outpatients daily, included a CARF accredited comprehensive Pain Management Program, an extensive Pediatrics service, Sports Medicine service and inpatient Geriatric Trauma Program.

Aug. 1980 to March 1984 Sports Medicine/Research Therapist, HJD-OI, N.Y.C.

Responsible for a) performing evaluations and treatment of normal and patient populations, b) supervise staff therapists and promoting research guidance to therapy staff and students, c) deliver lectures for hospital and community activities.

### **Military**

Sept. 1978 to Aug.1979 Co-Assistant Chief, First Lieutenant, United States Public Health Service (USPHS) Hospital, Staten Island, N.Y.

Responsible for a) staff supervision, student supervision in clinical rotations, patient scheduling, b) general patient care, electromyographic testing, and prosthetic and orthotics patient care.

Aug.1977 to Sept. 1978 Staff Therapist, First Lieutenant, USPHS Hospital, Staten Island, N.Y.

Responsible for general inpatient care, electromyographic testing, prosthetics and orthotics patient care, student supervision in clinical rotations.

Aug.1975 to Aug. 1977 Staff Therapist, First Lieutenant, USPHS Outpatient Clinic, N.Y., N.Y.

Responsible for orthopaedic patient care, primarily low back patient evaluation and treatment, orthopaedic screening of incoming clinic patients, student supervision in clinical rotations.

July, 1974 to Aug.1974 COSTEP Trainee, Second Lieutenant, USPHS Hospital, New Orleans, Louisiana.

Responsible for a full patient care load, under supervision of a staff physical therapist.

### **Certification/Licensure**

Jan. 2011-Present Certified Master Trainer, Stanford University Chronic Disease Self-Management Program, Marshall University Center for Rural Health, Huntington, WV

Jan. 2011-Present Certified Master Trainer, Stanford University Diabetes Self-Management Program, Marshall University Center for Rural Health, Huntington, WV

2008-present Louisiana State Board of Physical Therapy Examiners: License # PT 07494R  
2003-present Pennsylvania State Board of Physical Therapy Examiners: License # PT 016674.

## **Professional Organization Memberships**

1974-present American Physical Therapy Association (APTA)  
Education Section  
Sports Medicine Section  
2010-present West Virginia State Chapter of APTA

## **Publications**

### Peer Reviewed Journal Articles

Brueilly KE, Nelson TK, Gravano TN, Kroll PG. The effect of early contextual learning on student physical therapists' self-perceived level of clinical preparedness. Acute Care Perspectives, Fall, 2009.

Courtney C, Rine RM, Kroll PG. Central Somatosensory changes and altered synergies during gait in subjects with anterior cruciate ligament deficiency. Gait and Posture. 2005; 22 (1):69-74.

Kroll PG, Machado L, Happy C, Leong S, Chen B. The Relationship between Five Measures of Trunk Strength. Journal of Back and Musculoskeletal Rehabilitation, 2000, 3: 21-25.

Kroll PG, Arnofsky S, Leeds S, Peckham D, Rabinowitz A. The Relationship Between Lumbar Lordosis and Pelvic Tilt Angle. Journal of Back and Musculoskeletal Rehabilitation, 2000, 1-2: 21-25.

Kroll PG, Raya MA. Hamstring Muscles: An Overview of Anatomy, Biomechanics and Function, Injury Etiology, Treatment and Prevention. Critical Reviews in Physical Medicine and Rehabilitation, 1997, 9:191-203.

Kroll, PG, Muhlhauser, RW, Parsons, NC, Taylor, CD. The Effect of Increased SLR on Work Production in Subjects with Tight Hamstrings. Journal of Isokinetic and Exercise Science, 1997, 6: 181-185.

Kroll P.G., Nelson A., Nordin M. The Effect of Previous Contraction Condition on Subsequent Eccentric Power Production in Elbow Flexor Muscles. Journal of Isokinetic and Exercise Science, 1996, 6: 27-31.

Lewis M, Ballet F, Kroll P, Baum B. Clavicular Resection Surgical Procedure and Post-operative Function. Clinical Orthopaedics and Related Research, 1985, 193: 214-220.

### Peer Reviewed Abstracts

Kroll PG, Spielholz MI, Bello BG, Bennie LJ, Millett K. Recruitment of the Hamstrings and Quadriceps Muscle During Two Knee Muscle Strengthening Exercises . Phy. Ther, 2001, 81: PO-RR-58-F: A26.

Kroll PG, Goodwin ME, Nelson TL, Ranelli DM, Roos K. The Effect of Increased Hamstring Flexibility on Peak Torque and Power Production in Subjects with Seventy Degrees or Greater of Straight Leg Raise (SLR). Phys. Ther, 2001, 81 PO-RR-59-F: A27.

Roach KE, Lee D, Kroll PG, Downey P, Campbell MH, Fleming L. Pilot Study of an Intervention to Prevent Low Back Pain in Fire Rescue Workers. Phy. Ther, 2000, 80: S29.

Kroll, PG, Chen B, Happy C, Leong S, Machado L. Comparison of Five Measures of Trunk Strength. *Phy.Ther.*, 1999; 79: S26.

Roach KE, Lee D, Kroll PG, Downey P, Campbell, MH, Fleming L. The relationship between Baseline Strength, Flexibility and Fitness Measures and the Subsequent Occurrence of Low Back Pain. *Phy Ther*, 1999; 79a; S75.

Kroll PG, Spielholz N, Faust S, Guernsey J, Jones T, Schoeberl T, Roach. Onset of Vastus Medialis Oblique and Vastus Lateralis Contraction during Quadriceps Setting: A comparison of Order of Recruitment Using Manual Palpation and EMG. *Phy Ther*, 1997; 77: S76

Kroll PG, Fiske G, Geiger D, Gianakouras P, Shimozaki A. The Relationship between Posture, Flexibility and Muscle Strength. *Phy Ther*, 1997; 77: S74.

Kroll P, Bucher C, Keene L, Minick L, Rosenberger G. Determination of a Relationship between Observed Shoulder Height and Handedness. *Phy Ther*, 1997; 77: S75.

Kroll, P.G., Aswad, J. The Reliability of a Measure of Posture. *Phy Ther*, 1996; 76: S76.

Kroll, P.G., Muhlhauser, R.W., Parsons, N.C., Taylor, CD. The Effect of Increased Hamstring Flexibility of Peak Torque and Power Production in Subjects with Tight Hamstrings. *Phy Ther*, 1996; 76: S75.

Fiebert, I.M., Kroll, P.G., Roach, K.E. McDonald, M.S., Snyder, D.M., Kalbac, A.M., Lambregts, L.M. EMG Activity and Torque Production of the Medial and Lateral Gastrocnemius Muscles During Weight Bearing and Non Weight Bearing Isometric Contractions. *Phy Ther* 1996; 76: S30.

Carter, S.K., Kroll, P.G., Spielholz, N. Applegate, B., Roach, K. Concurrent Validity Between Two Methods of Pelvic Tilt Measurement. *Proceedings of the 12th International Congress of the World Confederation of Physical Therapy* 1995: 901

Kroll, P.G., Bartole, T.A., Blitzer, M.L., Pattaras, K.L. Stability of Back Range of Motion and Isometric Strength Using the B-200 Testing Device. *Proceedings of the 12th International Congress of the World Confederation of Physical Therapy* 1995:885.

Kroll, P.G., Slagell, T., Steinfeld, S., Vlasich, M., Applegate, E. Reproducibility of Range of Motion and Isometric Strength Over Time Utilizing the B200, BSAFE Protocol. *Proceedings of the 12th International Congress of the World Confederation of Physical Therapy* 1995: 887.

K. Pattaras, P.G. Kroll, M. Blitzer, T. Bartole. *Phy. Ther.* Examination of Possible Training Effect of the BSAFE Protocol on Measures of ROM and Isometric Strength: A Pilot Study. 74: S29, 1994.

P. Kroll, D. Palomo, D. Bunch. *Phy. Ther.*, The Effect of Increased Hamstring Flexibility on Peak Torque and Work Production During a Concentric Contraction: A Pilot Study. 74: S32, 1994.

Gross CM, Kroll PG, B. Nielsson, Peterson L, Frankel VF. The Effect of Lumbar Support on Spinal Stress During Lifting. *Proceedings of the HJD-OI Alumni Association Meeting*, N.Y., N.Y. 1983.

#### Peer-reviewed Platform/ Poster Presentations at Professional Meetings

March 2012                      Kroll, PG. An Integrated Case-Based Learning Model to Enhance Teaching and Learning. Presented: Marshall University, School of Medicine Research Day, Medical Center, Harless Auditorium, Huntington, WV.

- September 2008 Ha Hoang, Eason JM, Kroll P. Functional outcomes following acute orthopedic injuries. Poster presentation at the Fall Meeting of the LPTA, Baton Rouge, Louisiana.
- June 2007 Kroll, PG, Miller M. Incidence of LBP/Injury and Frequency of Occurrences of Risk Factors for Low Back Pain (LBP) in Health Care Workers After First Year in Practice. Presented American Physical Therapy Association Annual Meeting and Exposition, Denver, Colorado
- June 2006 Kroll, PG, Ryan, S. Relationship between admission cognitive and discharge cognitive, ADL, and mobility component FIM scores in patients who sustained a cerebral vascular attack. Presented: American Physical Therapy Association Annual Meeting and Exposition, Orlando, FL.
- February 2004 Kroll PG, Rine RM, Bishop L, DiGirolamo G, Perez N. Trunk strength, body mechanics and previous history of back pain predict incidence of low back pain in physical therapists: A preliminary study. Presented: APTA-CSM Conference, Nashville, Tenn.
- February 2004 Courtney C, Rine R, Kroll P, Collier P, Jenk D, Marceda M, Waters, A. Proprioception is Enhanced in Highly Trained Athletes. Proceedings: APTA-CSM Conference, Nashville, Tenn.
- February 2003 Courtney C, Rine RM, Kroll P (2003). Preliminary Evidence of Altered Postural Synergies in Subjects with ACL Deficiency. Presented: APTA-CSM, Tampa FL..
- November 2002 Courtney, C, Kroll PG, Rine, RM, (2002). The Emergence of Altered Postural Synergies in Subjects with ACL Deficiency: Proceedings of Society for Neuroscience Annual Meeting, Orlando, FL.
- June 2002 Courtney, C, Kroll PG, Field-Fote E, Rine, RM. (2002). Evidence of Altered Sensory-Motor Characteristics in Subjects with ACL Deficiency: Preliminary Data. Proceedings of APTA-ACE, Cincinnati, Ohio
- September 1983 Lewis L, Ballet F, Kroll P, Bloom N. Clavicular Resection: Operative procedure and post operative testing of function. Case Reports. Proceedings of the 2nd International Workshop on the Design and Application of Tumor Prostheses for Bone and Joint Reconstruction, Vienna Austria
- June 1982 Kroll P. Length-tension-velocity Measurements in Athletes. Presented at the 1982 Annual New York State American Physical Therapy Association (APTA) Conference, New York, N.Y.
- April 1977 Kroll P. The Effect of Icing on Passive Muscle Lengthening. Proceedings of the USPHS Commissioned Officers Association, Twelfth Annual Meeting, San Francisco, California
- May 1976 Kroll, P. A Volumetric Study of the Lower Extremity. Proceedings of the USPHS Commissioned Officers Association, Eleventh Annual Meeting, New Orleans, Louisiana

### Non-referred Publications

Article: "Staying Intact: Hamstring Injuries." M.J. Carbone, P.G. Kroll. Wellness News Brief, Department of Wellness and Recreation, University of Miami, 1997; 2: 4.

## Professional Presentations

Oct. 2012	Organizer and Leader: Case Building Workshop for DPT Curriculum (3-hours; (10 Clinical Faculty and 2 Academic Faculty participants, Marshall University, Huntington, WV
Oct. 1, 2011	Guest Lecture, Marshall University Graduate School 102, 20 participants
Nov. 20, 2003	Presenter: District 1199C Training and Upgrade Fund-Health Career Fair, Phil. PA
May 4-5 2001	Co-Faculty/Instructor: "Evaluation and Treatment of Balance and Gait Disorders" sponsored by Greenville General Hospital, Greenville, Mississippi
February 27-28, 1999	Faculty/Instructor: "Biomechanics of the Foot and Ankle" sponsored by Baptist Hospital of Miami, presented
April 8, 1997	Panelist: "Beyond Medical School: What to do With a Science Degree, " for Office of Student Employment, Univ. of Miami, to Science Majors at the University of Miami
November 16, 1996	Faculty: "Lower Extremity Joint Replacement: Biomechanics and Clinical Care, for Southeast Area 30 of Nova Care-full day continuing education course, Coral Springs, Florida
September 30, 1993	Lecture/Demonstration: "Warm-up Exercises in the Work Place" for Physical Plant Personnel, Marine Campus, Univ. of Miami, through the Department of Environmental Health and Safety
Oct. 19, 1993	Lecture: "Power-up with Good Posture", to Undergraduate Students, Hecht Residential College , Univ. of Miami
Nov. 8, 1993	Panelist: "Futures Forum", Kendale Elementary Gifted Education Program, Kendale Elementary, Kendall, Florida
February 24-26, 1993	Lecture/Demonstration: "Warm-Up Exercises in the Work Place." for Physical Plant Personnel, Coral Gables Campus, University of Miami, through the Department of Environmental Health and Safety
1989-1990	Examiner: New York State Education Board Examiner for Oral Licensure Examination in Physical Therapy
March 14, 1987	Faculty: "Innovations in Sports Medicine." Sponsored by Hunter College and HJD-OI, N.Y.C.. Saturday,. Presented - "The Role of Eccentric Muscle Contraction on Performance and Exercise."
May 1-3, 1985	Discussion Facilitator: "Special Problem of the Older and Younger Worker." First International Conference on Injuries in the Workplace, , New York, N.Y.
Nov. 9-10, 1984	Faculty: "Symposium on Sports Medicine, Challenge and Innovations in Rehabilitation." Sponsored by the Metropolitan N.Y. District N.Y. State Occupational Therapy Assoc, HJD-OI, N.Y., N.Y.

- November 16, 1983      Lecturer: "Presenting Clinical Research, Chapter Research Activities." New York University Graduate Research Course
- Nov. 19-20, 1983      Coordinator and Lecturer: "Symposium on Clinical Research in Physical and Occupational Therapy." Sponsored by HJD-OI and the N.Y. State Chapter of the APTA, HJD-OI, N.Y., N.Y.
- Dec. 9, 1981            Guest Lecturer: "Exercise and Isokinetic Instrumentation." Occupational Therapy Association, Orthopaedic Study Group, , HJD-OI, N.Y., N.Y.
- Sept. 19, 1981         Faculty: "Biomechanics of the Foot-Clinical Evaluation and Treatment." Continuing education course sponsored by the Staten Island District APTA, Staten Island, N.Y.
- August 3, 1981         Guest Lecturer: "Sports Medicine and Exercise." Sponsored by the Upward Fund, PS 96, 125th Street, N.Y., N.Y.
- August 19, 1979        Faculty: "Biomechanics of the Foot." Continuing Education course sponsored by the Staten Island District APTA, , Staten Island, N.Y.
- 1978-79                 Faculty: Lectures and Examinations in Physician's Assistant Training Program, U.S. Public Health Service Hospital, Staten Island, N.Y. Fall and Spring.
- December, 1978        Guest Lecturer: "Application of Total Contact Casts in Lower Limb Amputations," in the Symposium on the Management of Experiences with Lower Extremity Amputations. Continuing education course sponsored by the Staten Island District APTA, Staten Island, N.Y.
- Sept-Nov, 1978        Faculty: "Preprosthetic Management" and "Above-Knee Checkout Procedures" in Course # 742 B, New York University Post-Graduate Medical School, Prosthetics and Orthotics, September 14, Sept. 21, November 4, and 7th, 1978, N.Y., N.Y.

## Grants and Contracts Funded

- 2009    Role: Collaborator: Eason J, Sterling Y, **Kroll P**, Bennett M.  
 Total Grant: \$4300 direct costs  
 Title: Doctoral Colloquia for Doctor of Nursing Science and Doctor of Physical Therapy Students  
 In review: May 1, 2009  
 LSUHSC Office of Medical Education Research and Development
- 2007    Role: Co-PI, Campbell P, **Kroll P**. Agency: Department of Health and Human Services CFDA  
 Training Grant: OSER, Wash. DC  
 Title: Preparing Occupational and Physical Therapy Students for Careers In Early Intervention and School-based Practice.  
 Total Grant: \$795,153  
 Funded: 5/25/2007.
- 2000    Role: PI. Agency: University of Miami, Scientific Award Committee, Emergency Grant Request  
 For Purchase of : NorBNC Board to integrate approximately \$70-75,000 of  
 kinesiological/kinematic equipment.  
 Total Grant: \$995.00  
 Funded: 9/1/00

1997 Role: Collaborator. Agency: Office of Emergency Medical Services, Florida Department of Health and Rehabilitative Services  
Title: Prevention of Low Back Pain in EMS Workers  
Effort: 3%  
Total Grant: \$46,870  
Funded: 7/1/97

## Major Areas of Research Interest

- Instructional methodology design, implementation and evaluation specifically related to physical therapy and interdisciplinary education
- Preparing Physical Therapists to deliver patient-centered care to patients with neuropathic feet secondary to diabetes in an interdisciplinary environment
- Identification of factors that influence return to function in patients with chronic ankle instability

## Research in Progress

- "Assessment of Balance in Patients with Diabetes Mellitus" (Planning)  
Planning to apply for a small grant with a faculty member at an outside institution in order to develop this project.
- "Beta Testing of Cases developed to enhance teaching and Learning" (On-Going)  
In October, 2011, a number of cases were developed during a Case Building Workshop to be utilized in the DPT curriculum coursework to enhance teaching and learning of didactic and clinical material. The next step is to "beta" test the cases with area clinicians.
- "Case-Based Seminar for Developing Differential Diagnostic Skills in Physical Therapist Practitioners and Internal Medicine Residents" (Planning)

## Current Teaching Responsibilities

None-Since I am in the development stage of the DPT curriculum at Marshall University, I am not teaching courses at the present time.

### 2010 Teaching Responsibilities in the Entry-Level Program at LSUHSC New Orleans (in sequence, by quarter or semester):

Year 1

Summer

Course Coordinator and Lecturer  
PHTH 7130 Foundational Science of Movement

Course Liaison

PHTH 7000 Physical Therapy Gross Anatomy  
Course Coordinator: Louaine Spriggs

Fall

Course Coordinator and Lecturer  
PHTH 7131 Movement Science I

Laboratory Assistant

PHTH 7101 Evidence-based PT I: Clinical Analyses

Faculty Facilitator Integrated Case Application Lab (Group of 6-8 students)

Spring

Laboratory Assistant

PHTH 7102 Evidence-based PT II: Clinical Analyses

Year 2

Fall

Faculty Facilitator Integrated Case Application Lab (Group of 6-8 students)

Lecturer and Lab Assistant  
 PHTH 7233 Movement Science III

Course Coordinator and Lecturer  
 PHTH 7261 Diagnosis and Management of Musculoskeletal Dysfunction I

Faculty Facilitator Integrated Case Application Lab (Group of 6-8 students)

Faculty Research Advisor  
 PHTH 7204 Evidence-based Physical Therapy IV: Clinical Analyses (Students:  
 Boyce M; Combes J, Lee B)

Spring

Course Coordinator and Lecturer  
 PHTH 7262 Diagnosis and Management of Musculoskeletal Dysfunction II

Faculty Facilitator Integrated Case Application Lab (Group of 6-8 students)

Faculty Research Advisor  
 PHTH 7204 Evidence-based Physical Therapy IV: Clinical Analyses

Year 3

Fall

Faculty Research Advisor  
 PHTH 7204 Evidence-based Physical Therapy IV: Clinical Analyses

Spring

Faculty Research Advisor  
 PHTH 7204 Evidence-based Physical Therapy IV: Clinical Analyses

### Thesis and Dissertation Projects

2009-2011 Fran Kistner, Dissertation Proposal: Effect of Backpack Loads on Posture in Primary School Children, University of Miami (Committee Member)

2007-2008 Hoang, H. *Case Report: Functional Outcomes following Acute Orthopedic Injuries*. Master of Health Science, LSUHSC (Committee Member)

2001-2003 *Evidence of Altered Sensory-Motor Characteristics in Subjects with ACL Deficiency*. Dissertation Committee: P Kroll (Chair), RM Rine, E Field-Fote, K. Hechtman. Ph.D., Candidate: Courtney, C.

2000-2003 Ph.D., Dissertation Committee Member: University of Miami, Division of Physical Therapy Michelle Raya

2000-2003 Ph.D., Dissertation Committee Member: University of Miami, School of Music, Jeannine Mongeon

1999-2003 Ph.D., Dissertation Committee Member: University of Miami, Division of Physical Therapy Brent Anderson, Ph.D., Student

### Directed Student Research Projects

2010 Identifying "best practice", including assessments and interventions, in managing the diabetic neuropathic foot: A systematic literature review. Capstone Project: Students- Bonin, B, Carbo K, Garnett A, Hines D.

- 2010 The establishment of methods/protocols to measure those factors that impact a person's abilities to return to prior level of function after ankle injury: A pilot study. Capstone Project: Students-Dauterive C, Kronfel M, LaMarca A, Murray M.
- 2009-2010 Factors influencing Return to Function post Ankle Sprain. Capstone Project. Student: Mims Boyce
- 2009-2010 Effectiveness of School-based Obesity Programs. Capstone Project. Student: Jessica Combs
- 2009-2010 The Effectiveness of Core Stabilization Exercise Programs for Treatment of Chronic Low Back Pain. Capstone Project Proposal. Student: Liz Daigle
- 2009-2010 Effect of Different ACL Reconstruction Grafts on Pain, ROM, Strength and Return to Prior Function. Capstone Project Proposal. Student: Brandon Lee
- 2001-2003 Testing the Reliability of the Functional Movement Screen (FMS). Faculty Initiated Research: P Kroll, K Roach, S Hunt. Student Participants: RC Edwards, III, JP Jobes, L Malcahey, E Stephens
- 2001-2003 Physical Risk Factors of Low Back Pain in Physical Therap Clinicians. Faculty Initiated Research: P Kroll, K. Roach. Student Participants: L Bishop, G DiGiroloma, G Dyriw, N. Perez
- 1999-2001 Physical Risk Factors of Low Back Pain in Physical Therapy Students. Faculty Initiated Research: P Kroll, K. Roach. Student Participants: A Clapprood, M Cleveland, L Reeber, MT Testa
- 1999-2000 The Effect of Increased Hamstring Flexibility on Peak Torque and Power Production in Subjects with Normal Hamstring Flexibility. Faculty Initiated Research: P Kroll. Student Participants: M Goodwin, T Nelson, K Roos, D Ranelli
- 1999-2000 Hamstring EMG activity during Two different Strengthening Exercises. Faculty Initiated Research: P Kroll, N Spielholz. Student Participants: B Bello, L Bennie, K Millet
- 1998-2000 The Correlation between Five Measures of Back Muscle Strength. Faculty Initiated Research: P Kroll. Student Participants: B Chen, C Happy, S Leong, L Machado
- 1997-2000 The Relationship between Lumbar Lordosis and Pelvic Tilt Angle. Faculty Initiated Research: P Kroll; Student Participants: L Bloom, B Meyers, H Sherman. (1997); S Arnofksy, S Leeds, D Peckham, A Robinwitz, (1998)
- 1997-1997 The Effect of Middle Eastern Dancing on Measures of Spinal Flexibility and Strength. Faculty Initiated Research: H Masin, P Kroll, IM Fiebert, L D Crane; Student Participants: J Price, M Pezua, M Seker, M Krok
- 1996-1997 The Determination of the Relationship between Observed Shoulder Height and Handedness. Faculty Initiated Research: P Kroll, & I Fiebert, Student Participants: C Bucher, L Keene, L Minnick, G Rosenberger
- 1995-1996 The Relationship between Posture, Flexibility, and Muscle Strength. Faculty Initiated Research: Student Participants: G Fiske, D Geiger, P Gianakouras, A Shimozaki
- 1995-1996 Onset of Vastus Medialis Oblique (VMO) and Vastus Lateralis (VL) Contraction during Quadriceps Setting: A Comparison of Order of Recruitment using Manual Palpation and

EMG. Faculty Initiated Research: P Kroll, & N Spielholz; Student Participants: S Faust, T Jones, T Schoeberl J Guernsey

- 1994-1995 The Reliability of Measures of Posture, Pain, Flexibility and Muscle Strength. Faculty Initiated Research: P Kroll; Students Participants: J Aswad, V Biele, V Mair
- 1994-1995 Reproducibility of Torque, Range of Motion , and Velocity Over time using the B200 BSAFE Protocol. Faculty Initiated Research: P Kroll; Students Participants: T Slagell, S Steinfeld, M Vlasich
- 1994-1995 The Effect of Increased Flexibility on Musculotendinous Resistance to Stretch and Isometric, Concentric, and Eccentric Torque Production in the Hamstrings. Faculty Initiated Research: P Kroll Students Participants: K Mulhauser, C Parsons, K Taylor
- 1994-1995 An Electromyographic Study of the Effect of Load on the Upward Rotators of the Scapula during a Bilateral Overhead Lift. Candidate: RL Snyder. Advance Master's; Committee Member
- 1993-1995 Effectiveness of Gravity Traction as an Add-on in Stretching the Lumbar Paraspinal Muscles in Chronic Low Back Pain Patients. Candidate: G Martinez. Advance Master's; Committee Chair
- 1993-1995 Postural Control in Ballet Dancers as Compared to Both the Normal Population and Endurance Runners. Candidate: L Farrell. Advance Master's; Committee Member.
- 1993-1994 Construct Validity Between Two Tests for Measuring Pelvic Tilt. Candidate: S Carter. Advance Master's; Committee Chair
- 1993-1994 Stability of Back Range of Motion, Power, and Velocity using B-200 Back Testing Device. Faculty Initiated Research: P Kroll; Students Participants: T Bartole, M Blitzer, and K Pattaras.
- 1992-1993 The Effect of Increased Flexibility on Work and Peak Torque Production of the Hamstrings during Concentric Contraction. Faculty Initiated Research: P Kroll; Students Participants: D Paloma, and D Bunch

## **Contributions to Refereed Publications**

- 2000- Present Manuscript Reviewer: Archives of Physical Medicine and Rehabilitation
- 1997-2003 Manuscript Reviewer: SLACK Incorporated, 6900 Grove Road, Thorofare, NJ. 08086-9447
- 1999-2003 Manuscript Reviewer: Butterworth-Heinemann, 225 Wildwood Avenue, Woburn, MA 01801.
- 1998-2000 Editor: Education Section Newsletter, American Physical Therapy Association
- 1996-2000 Manuscript Reviewer: Journal of Back and Musculoskeletal Research

## **Professional Organization Service**

### National

- 1/2012-Present On-Site Reviewer, Commission on Accreditation in Physical Therapy Education, Alexandria, Virginia-to be called to training and service as need arises.

- 4/2011-4/2013) Committee Member, WVPT State Association Research Committee, Charleston, WV.
- 2005-2006 Chair: Nomination Committee, Section on Education of the National American Physical Therapy Association
- 2004-2005 Member: Nomination Committee, Section on Education of the National American Physical Therapy Association
- 1998-2002 Member: Subcommittee for Screening Proposals for the Scientific Meeting and Exposition of the American Physical Therapy Association
- 1999-2001 Chair: Special Interest Group for Academic Faculty of the Section on Education of the National American Physical Therapy Association
- June 1999 Chairperson: Education Method Platform Presentation; American Physical Therapy Association Annual Meeting and Exposition
- 1996-1998 Vice-Chair: Special Interest Group for Academic Faculty, in the Section on Education of the National American Physical Therapy Association
- 1994-1996 Member: Committee for Item Writing; National Physical Therapy Examination, Federation of State Boards of Physical Therapy

#### State

- 1986-1991 Secretary: Board of Directors of the New York Society for Continuing Education for Physical Therapy.
- 1998-1990 Member-at-large: New York City District Board, American Physical Therapy Association.
- 1980-1983 Chairman: New York State Research Committee of the APTA.

### **Academic Service**

#### University

- July 2007-Aug. 2010 Member, Committee on Development of Conflict of Interest Policy, Louisiana State University Health Science Center
- June 2003-May 2007 Member, Executive Council, Jefferson College of Health Professions, Thomas Jefferson University
- June 28, 2006 Invited Participant: Interdisciplinary Curriculum Retreat (Focus on Interdisciplinary Activities in College of Medicine, Graduate Studies, and Health Professions), Thomas Jefferson University
- April 28, 2006 Invited Participant: Public Health Program Retreat (Focus on Curriculum Review), Thomas Jefferson University
- January 25, 2005 External Peer Reviewer: for Promotion of Faculty Member at CUNY Hunter College, NYC

- June 2002-May 2003 Member, Executive Promotions Committee, Medical School Council, appointment, School of Medicine, University of Miami
- June 1998-May 2003 Member, Library Committee, School of Medicine, University of Miami
- Monday, June 7, 1999 Chairperson: Education Methods Platform Presentations; American Physical Therapy 1999 Annual Meeting and Exposition
- 1998-2000 Member: Subcommittee on Screening Proposals for the Education Section of the Annual Meeting and Exposition of the American Physical Therapy Association, Spring
- 1989-1990 Examiner: New York State Education Board Examiner for Oral Licensure Examination in Physical Therapy

#### College

- Oct 2011 – Present Representative for DPT program, Inter Professional Education Working Group.
- Aug 2011-Aug 2013 Committee Member, COHP Curriculum Committee
- Aug 2011 - Aug 2013 Committee Member, COHP Promotion and Tenure Committee
- Aug 2011 - Aug 2013 Committee Member, COPH Policy and Procedures
- Sept 2010 - Feb 2011 Committee Member, Ad Hoc Committee on Graduate Survey
- Aug 2010 – Feb 2011 Committee Member, Ad Hoc Committee on Clinical Education

#### School

- June 2011-Present Chair, Marshall University, School of Physical Therapy Administrative Committee
- June 2011-Present Member, Marshall University, School of Physical Therapy Admission Committee
- Sept. 2010-present Member, Ad Hoc Committee on Graduate Survey, College of Health Professions, Marshall University
- Aug. 2010-present Member, Ad Hoc Committee on Clinical Education, College of Health Professions, Marshall University
- July 2007-Aug. 2010 Member, Executive Committee, School of Allied Health Professions, Louisiana State University, Health Science Center
- July 2007—Aug. 2010 Member, Academic Affairs and Curriculum Committee, School of Allied Health Professions, Louisiana State University
- 2003-2007 Member, College Management Committee, College of Health Professions, Thomas Jefferson University
- 01/07-06/07 Member, Task Force on Research Strategic Plan, College of Health Professions, Thomas Jefferson University
- 01/06-06/06. Co-Chair, Strategic Planning Committee, College of Health Professions, Thomas Jefferson University.

## Department

2009-Aug. 2010	Chair, Department Administrative Committee, College of Allied Health Professions LSUHSC NO.
2007-Aug. 2010	Ad Hoc Member of Department Committees (Admissions, Alumni, Clinical Education, Curriculum, Promotions, Research)
2002-2003	Supervisory Committee Member: Kristina Beekhuizen, University of Miami, Division of Physical Therapy, Miami, FL.
2002-2003	Supervisory Committee Member: James Moore, University of Miami, Division of Physical Therapy, Miami, FL.
2000-2002	Faculty Class Advisor, Class of 2002, Division of Physical Therapy, Division of Physical Therapy, University of Miami, Miami, FL.
1999-2002	Supervisory Committee Member: Carol Courtney, University of Miami, Division of Physical Therapy, Miami, FL.
1998-2002	Supervisory Committee Member: Pamela Downey, University of Miami, Division of Physical Therapy, Miami, FL.
1998-2002	Supervisory Committee Member: Brent Anderson, University of Miami, Division of Physical Therapy, Miami, FL.
1995-1998	Supervisory Committee Member: Phillip Blatt, University of Miami, Division of Physical Therapy, Miami, FL.
1995-1997	Supervisory Committee Member: Laura Houghie, University of Miami, Division of Physical Therapy, Miami, FL.
1998-2003	Admissions Coordinator and Committee Chair, Division of Physical Therapy, University of Miami, Miami, FL.
1994-1997	Curriculum Committee Member, Division of Physical Therapy, Division of Physical Therapy, University of Miami, Miami, FL.
1997-1998	Admissions Committee Co-Chair, Division of Physical Therapy,. Division of Physical Therapy, University of Miami, Miami, FL.
1994-1997	Admissions Committee Member, Division of Physical Therapy, Division of Physical Therapy, University of Miami, Miami, FL.
1991-1994	Faculty Manual Task Force, Co-Chair, Division of Physical Therapy, Division of Physical Therapy, University of Miami, Miami, FL.
1991-1994	Administrative Committee Member, Division of Physical Therapy Division of Physical Therapy, University of Miami
1992-1994	Faculty Class Advisor, Class of 1994, Division of Physical Therapy, Division of Physical Therapy, University of Miami, Miami, FL.

## **Public Service**

3/2012-4/2012	6-week Chronic Disease Self-Management Workshop, Huntington, WV
---------------	---

- 2008-2010 Member, Advisory Committee, Physical Therapist Assistant School Delgado Community College
- Nov. 8, 1993 Panelist: "Futures Forum", Kendale Elementary Gifted Education Program, Kendale Elementary, Kendall, Florida
- 1993-1994 Faculty Associate, Hecht Residential College University of Miami, Miami, FL.

### **Honors and Awards**

- 2012 Master Educator, JCESOM, Academy of Medical Educators
- 2009 Named to the Outstanding Physical Therapy Alumni List, New York University, New York, New York.
- 2007 Certificate of Appreciation for Distinguished Service as APTA Education Section Nominating Committee Chair 2006-2007
- 2005 Successful Completion of FIM (Functional Independence Measure) Credentialing Exam through Rehabilitation Services, Thomas Jefferson University Hospital on 3/23/05
- 2000 Certificate of Appreciation for Distinguished Service as APTA Education Section Bulletin Editor; 1998-2000
- 2001 Certificate of Appreciation for Distinguished Service as Chair of the Academic Faculty SIG, Section on Education of the APTA, 1999-2001
- 1998 Certificate of Appreciation for Distinguished Service as vice chair of the Academic Faculty SIG, Section on Education of the APTA, 1996-1998
- 1994 Teacher of the Year, from University of Miami by vote of Graduating Class of 1994 (N=60), Division of Physical Therapy. (Possible Pool of 20)
- 1993 Faculty Initiative Award by vote of faculty (20) University of Miami, Division of Physical Therapy. (Possible Pool of 20)
- 1984 Certificate of Appreciation for Distinguished Service from the N.Y. State APTA Board of Directors.
- 1983 Merit Award from the N.Y. State APTA for work on developing N.Y. State APTA Research Committee

### **Development Activities Attended (2011-2012)**

Workshop, "Master Educator Training," Academy for the Advancement of Educational Scholarship. (January 12, 2011 - March 20, 2012).

Workshop, "Stanford University Diabetes Self-Management Program Master Trainer Workshop," Marshall University Center for Rural Health. (January 28, 2011).

Conference Attendance, "Combined Sections Annual Conference," American Physical Therapy Association. (February 8, 2012 - February 11, 2012).

Workshop, "Leadership Retreat," Marshall University COHP. (December 6, 2011).

Workshop, "New Chair and Deans Workshop," Marshall University Academic Affairs. (October 29, 2011 - November 10, 2011).

Conference Attendance, "APTA Annual Conference and Exposition," American Physical Therapy Association. (June 8, 2011 - June 11, 2011).

Physical Therapy Advocate, "PT Day on Capital Hill," American Physical Therapy Association. (June 8, 2011 - June 9, 2011).

Conference Attendance, "West Virginia Physical Therapy Association Spring Conference," WV Chapter of Physical Therapy Association. (April 16, 2011 - April 17, 2011).

Conference Attendance, "APTA Combined Sections Conference," American Physical Therapy Association. (February 9, 2011 - February 11, 2011).

Updated 10/10