Kristen L. Jagger, PT, PhD, OCS

Radford University Department of Physical Therapy

Carilion Roanoke Community Hospital

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**Education:**

**University of Florida**

August 1999 – December 2002

Course of Study: Biomechanics

Degree: Ph.D.

**North Georgia College and State University**

August 1992 - June 1995

Course of Study: Physical Therapy

Degree: M.S., P.T.

**University of South Florida**

May 1991 – July 1992

Course of Study: Biology

Degree: B.S.

**Georgia State University**

January 1990 – May 1991

Course of Study: Biology

Degree: None Conferred

**Virginia Polytechnic and State University**

August 1987 – July 1989

Course of Study: Engineering

Degree: None conferred

**Physical Therapy Licensure Information:**

Virginia - #2305206995

Georgia - #4822

**Employment History:**

**Associate Professor**

Radford University

Roanoke, VA 24013

August 2011 – Current

*Responsibilities include assisting with curriculum development and teaching in the following content areas: anatomy, kinesiology, patient management, special populations, differential diagnosis, and teaching and learning.*

**Senior Physical Therapist**

The Rehabilitation Institute in Dahlonega

Dahlonega, GA 30533

July 2009 – July 2011

*Responsibilities include managing a small hospital-based satellite clinic and evaluating/treating patients with musculoskeletal impairments. Typical diagnoses include those related to spine pain, total joint replacements, rotator cuff repairs, common elbow, hand, knee, and ankle injuries, balance impairments, and gait abnormalities. Occasional referrals are received for patients with neurologic or common pediatric dysfunctions.*

**Assistant Professor**

North Georgia College & State University

August 2006 – May 2009

*Responsibilities included teaching in the following content areas: gross anatomy, orthopaedics, pharmacology of musculoskeletal impairments, orthotics and prosthetics, clinical kinesiology, and exercise physiology.*

**Assistant Professor**

Western Carolina University, Cullowhee, NC

January 2003–May 2006

*Responsibilities included Directing the Human Movement Science Laboratory and teaching human movement science and functional human anatomy to students in the Master of Physical Therapy program.*

**PRN Physical Therapist**

Piedmont Hospital, Atlanta, GA

February 2002–December 2002

*Responsibilities included evaluation and treatment of patients with acute orthopaedic, neurologic, cardiopulmonary and general medical conditions.*

**PRN Physical Therapist**

Shepherd Center, Atlanta, GA

February 2002–December 2002

*Responsibilities included blinded observation/evaluation of subjects participating in a multi-center clinical trial of the effect of body-weight supported treadmill training on the gait capacity of those with spinal cord injury. Additional PRN activity as part of the Center for Spine Care included evaluation and treatment of patients with chronic pain as a result of orthopaedic and/or neurologic injury.*

**PRN Physical Therapist**

Professional Therapy Services, L.L.P., Gainesville, GA

July 1999–December 2001

*Responsible for evaluation and treatment of patients with general and/or sport-related orthopaedic dysfunction.*

**Teaching Assistant**

University of Florida, Gainesville, FL

August 1999–May 2001

*Responsibilities included preparation and presentation of electronic lecture material to assist students in the learning of basic human anatomy. Also participated in rewriting the printed anatomy laboratory manual for exercise science majors.*

**Staff Physical Therapist**

Northeast Georgia Healthcare System, Gainesville, GA

May 1996–June 1999

*Acute care responsibilities included evaluation and treatment of patients in ICU, general medicine, neurology, oncology, and orthopaedics. In the outpatient setting, treatment was provided to those with orthopaedic dysfunction resulting from work-related injury, degenerative joint disease, and sport-related injury.*

**Staff Physical Therapist**

University of Texas Medical Branch – Galveston, Galveston, TX

August 1995–April 1996

*Inpatient rehabilitation responsibilities included participation in team meetings, contact with durablemedical equipment suppliers, and evaluation and treatment of individuals with various neurologic and orthopaedic dysfunction.*

**Specializations and Certifications:**

American Board of Physical Therapy Specialties Orthopaedic Certified Specialist (2011-Current)

**Publications and Presentations:**

National Refereed Abstract Publications

Jagger, K.L., McPherson, S.L. (2008, June). *Combining Motion Analysis and Motor Learning to Augment Physical Therapy Education*. Poster presented at the Combined Sections Meeting of the American Physical Therapy Association, San Antonio, TX, June 11-14.

McPherson, S.L., Jagger, K.L., & Schrodt, L.A. (2006). The effect of one viewing of an instructional video using a correct or learning model on knowledge and skill of adults learning to lift objects properly. [Abstract]. *Journal of Sport and Exercise Psychology*, 28(*Suppl.*), S1331.

McPherson, S.L., Bull, J., & Jagger, K.L. (2005, February). *Knowing and Doing: Effect of Two Different Videotaped Instructional Models on Motor and Verbal Behaviors of Adults’ Lifting.* Poster presented at the Combined Sections Meeting of the American Physical Therapy Association, New Orleans, LA, February 23-27.

Jagger, K.L., Chow, J.W., Tillman, M.D., & Bruce, J.A. (2004, February). *Do foot orthotics have an acute effect on the gait mechanics of individuals with chronic incomplete spinal cord injury? A preliminary study.* Paper presented at the Combined Sections Meeting of the American Physical Therapy Association, Nashville, TN, February 4-8.

Jagger, K.L. (2002). Do foot orthotics have an acute effect on the gait mechanics of individuals with chronic incomplete spinal cord injury? (Doctoral dissertation, University of Florida, 2002). *Dissertation Abstracts International, 64,* 1213.

Jagger, K.L., Ensch, C.A., & Tillman, M.D. (2001, August). *The relationships among ground reaction forces, joint angles, and anthropometric measures during front and lateral step-ups.* Poster session presented at the annual meeting of the American Society of Biomechanics, San Diego, CA.

# Manuscripts in Preparation

None.

Grant Activity

*Summer Research Fellowship.* Submitted to Western Carolina University’s Research and Graduate Studies. Grant amount requested $5000; **Awarded $1500**. Date submitted: March 15, 2005.

*Request for funds to establish a Human Movement Science Laboratory.* Submitted to the Kate B. Reynolds Charitable Trust. Grant amount requested: $303,600; **Awarded: $191,850**. Date submitted: March 15, 2004.

*Request for funds to assist with purchase of a Smart Sympodium for an electronic classroom.* Submitted to the Smarter Kids Foundation. Grant amount requested: $720; **Awarded: $720**. Date submitted: March 12, 2003.

**Scientific/Professional Honorary Societies:**

American Physical Therapy Association (APTA) (1993-Current)

* Member of the Orthopaedic Section (2003-Current)
* Member of the Neurology Section (2003-2009)
* Member of the Education Section (2005-2009)

Physical Therapy Association of Georgia (PTAG) (1993-Current)

Virginia Physical Therapy Association (2011-Current)

**Elected Or Appointed Positions:**

Chair, Selection Committee (2011-Current)

Member, Curriculum Committee (2011-Current)

Member, Personnel Committee (2011-Current)

Member, Human Anatomy Ad Hoc Committee (2011-Current)

Member, Faculty Senate, NGCSU (2008-2009)

Member, Graduate Council, NGCSU (2008-2009)

Member, Physical Therapy Curriculum Committee, NGCSU (2006-2009)

Member, Physical Therapy Promotion & Retention Committee, NGCSU (2006-2009)

Member, Physical Therapy Outcomes Committee, NGCSU (2006-2009)

Member, Physical Therapy Ad hoc Committee for Promotion & Tenure, NGCSU (2006-2009)

Member, ACCE Search Committee, NGCSU (2006-2007)

Chair, University Scholarly Development Assignment Program, WCU (2005-2006)

Director, Human Movement Science Laboratory, WCU (2004-2006)

Chair, Executive Committee of the Human Movement Science Laboratory, WCU (2004-2006)

Member, Advisory Committee of the Human Movement Science Laboratory, WCU (2004-2006)

Member, College of Applied Sciences Curriculum Committee, WCU (2004-2006)

Member, College of Applied Sciences Dean’s Faculty Advisory Committee, WCU (2004-2006)

Member, University Scholarly Development Assignment Program, WCU (2004-2005)

Member, Physical Therapy Graduate Assistant Committee, WCU (2003-2006)

Member, Physical Therapy Curriculum Committee, WCU (2003-2006)

Member, Physical Therapy Search Committee, WCU (2003-2006)

Member, Physical Therapy Recruitment and Marketing Committee, WCU (2003-2006)

Member, Physical Therapy Grievance Committee, WCU (2003-2006)

Member, Physical Therapy Continuing Education Committee, WCU (2003-2006)

Member, Physical Therapy Recognition/Hooding Ceremony Committee, WCU (2003-2006)

Member, Physical Therapy Student Awards Committee, WCU (2003-2006)

Liaison, NCPTA Scholarship and Loan Committee (2003-2004)

Staff Liaison to American Physical Therapy Association, Northeast Georgia Medical Center (1997-1999)

**Community Services/Activities:**

Presentation, Sunrise Rotary of Dahlonega – “The Role Physical Therapy in Today’s Healthcare Environment” (2010)

Volunteer, Team Shepherd Cycling – “Cox MS 150” (2007)

Volunteer, Adventure Skills Workshop (Shepherd Center) (2007, 2008)

Presentation, Human Cardiovascular Physiology for non-majors biology, NGCSU (2006)

Demonstration, Human Movement Sciences Laboratory for Athletic Training Students, WCU (2005)

Demonstration, Human Movement Sciences Laboratory for the community, WCU (2005)

Demonstration, Human Movement Sciences Laboratory for Physical Therapist Assistant Students, WCU (2005)

Participant, “i7 Futures Forum”, WCU (2005)

Demonstration, Human Movement Sciences Laboratory for Athletic Training Students, WCU (2005)

Supporter, Hunter Library Collection, WCU (2004-2005)

Volunteer, Adventure Skills Workshop, Shepherd Center (2002)

Volunteer, National Wheelchair Basketball Association Classifier (2002-2004)

Volunteer, Team Shepherd Cycling – “MS 150” (2001)

Volunteer, Peachtree Road Race Wheelchair Division (2001)

Volunteer, Brain Injury Association of Georgia (2000)

Volunteer, Hall County High School Athletic Association (1997-1999)

**Honors and Awards:**

Runner-up, College of Applied Sciences Innovation in Teaching Award (2006)

Runner-up, College of Applied Sciences Excellence in Teaching Award (2005)

**Teaching Responsibilities:**

Radford University (2011-Current)

* AHPT 800 Human Anatomy, Summer semester, 7 credit hours (block session)
* AHPT 814 Patient Management I, Fall Semester, 4 credit hours (lab only)
* AHPT 820 Kinesiology/Biomechanics, Spring semester, 3 credit hours
* AHPT 826 Patient Management II, Spring Semester, 4 credit hours (lab only)
* AHPT 840 Management of Special Populations, Fall semester, 3 credit hours
* AHPT 862 Differential Diagnosis, Fall semester, 3 credit hours
* AHPT 864 Principles of Teaching and Learning, Spring semester, 2 credit hours
* AHPT 882 Comprehensive Patient Care, Fall semester, 2 credit hours (assisting)

North Georgia College & State University (2006-2009)

* NDPT 7111 Gross Anatomy & Embryology, Summer semester, 7 credit hours
* NDPT 7311 Patient Care Skills I: Examination, Fall semester, 4 credit hours (2006 only)
* NDPT 7151 Clinical Physiology II: Exercise Physiology, Spring semester, 4 credit hours
* NDPT 7161 Clinical Kinesiology, Spring semester, 4 credit hours
* NDPT 7222 Pharmacology Diagnostics I: Musculoskeletal I, Fall semester, 1 credit hour
* NDPT 7342 Patient Care Skills IV: Prosthetics & Orthotics, Fall semester, 2 credit hours
* NDPT 7612 Clinical Problems I: Musculoskeletal I, Fall semester, 5 credit hours
* NDPT 7622 Clinical Problems II: Musculoskeletal II, Spring semester, 5 credit hours

Western Carolina University (2003-2006)

* PT 623 Functional Anatomy I, Fall semester, 4 credit hours
* PT 624 Functional Anatomy II, Spring semester, 4 credit hours
* PT 613/651 Amputation Management, Summer Semester, 24-hour block session
* PT 653 Guest Lecturer – Orthosis Management for Neurologic Clientele

**Professional Continuing Education:**

*Current Concepts of Orthopaedic Physical Therapy*

Home Study Course

January – June, 2011

8.7 CEU

*Ethics and Jurisprudence for Physical Therapy Practice*

Northeast Georgia Medical Center

Gainesville, GA

April, 2011

0.4 CEU

*Orthopedic Series: Foot and Ankle Case Study Approach*

The Rehabilitation Institute

Northeast Georgia Medical Center

Gainesville, GA

January 26, 2011

0.4 CEU

*Ethics and Jurisprudence for Physical Therapy Practice*

North Georgia College & State University

Dahlonega, GA

April 18, 2009

Combined Sections Meeting of the APTA

Las Vegas, NV

February, 2009

* *Taping Injuries for Selected Upper Extremity Sports Injuries*
* *The Missing Link: Understanding the Relationship of Spinal Dysfunction and Peripheral Function*
* *Management and Rehabilitation of Sports-Related Injuries of the Wrist and Hand Complex*
* *Fear Avoidance Behavior: State-of-the-Art Review*

*Influence of the Spine on Shoulder Mechanics/Performance in Overhead Sporting Activities*

Physical Therapy Association of Georgia, District 9 Meeting

Athens, GA

January 15, 2009

Americal Physical Therapy Association Annual Conference and Exposition

San Antonio, TX

June, 2008

* *The Matrix: A Tool to Understand Cardiovascular and Pulmonary Changes in Relation to Exercise and Disease*
* *Tapping the “E” Spirit*
* *From Prevention to Return to Sport: The Hows and Whys of Injury to the ACL*
* *Practice Management of Patellofemoral Pain Syndrome: Integrating Evidence into Clinical Practice*

Combined Sections Meeting of the APTA

Nashville, TN

February, 2008

* *The Biomechanics and Muscle Physiology of Knee Rehabilitation Exercises*
* *Classification of Patients with Neck Pain: The Next Frontier*
* *Evaluation and Treatment of Cervicothoracic Pain and Dysfunction: Freeing the Performing Artist to Reach New Heights*
* *Screening for the Lower Quarter: Structural Differentiation Diagnosis of the Lumbar Spine, Hip, and Pelvis*

*Low-Back Pain Paradigm Shift: A Treatment-Based Classification Approach and Introduction to Lumbopelvic Manipulation.*

Nashville, TN

February 5-6, 2008

*Differential Diagnosis, Classification-Based Treatment, and Surgical Management of Hip*

*Screening for Medical Referral: Musculoskeletal Complaints and Conditions.*

North Georgia College & State University

November 9-10, 2007

*The NESS L300*

North Georgia College & State University

July 5, 2007

*Interactice Approach for Professionalism in PT Education: Trends and Solutions*

North Georgia College & State University

April 28, 2007

*Ethics and Jurisprudence for Physical Therapy Practice*

North Georgia College & State University

April 28, 2007

*Health Promotion & Wellness: Expanding Your Practice Paradigm*

Unicoi State Park Lodge

Helen, GA

September 22-23, 2006

*Creative Learning Experiences: Ninth Annual NGCSU Teaching Excellence Retreat*

North Georgia College & State University

February 24-25, 2007

*Ethics and Professional Responsibility in Physical Therapy*

Continuing Ed Home Study Course

November 20, 2005

*Evidence-based Practice and Quality Care in Physical Therapist Practice.*

Western Carolina University

August 4, 2005

*Vicon Motion Analysis System – Bodybuilder Software Training Course*

Oxford, England

June 22-23, 2005

*Movement Impairment Syndromes: Diagnoses to Direct Physical Therapy*

Western Carolina University

August 5, 2004

*Summer Institute for Teaching and Learning*

Western Carolina University

June, 2004

Combined Sections Meeting of the APTA

New Orleans, LA

Feb 2004

* *Differential Diagnosis, Classification-Based Treatment, and Surgical Management of Hip Disorders*
* *Hooked on Evidence Forum*
* *Foot and Ankle SIG: Athletic Footwear: Another Therapeutic Modality*
* *Neuropharmacological and Spinal Contributions to Impaired Locomotion*
* *Research Platform Session: Motor Control and Recovery in Neurorehabilitation*

*Teaching With Your Mouth Shut*

Readers’ Roundtable, Western Carolina Univerity

January-April, 2004

North Carolina Physical Therapy Association – Fall Conference

Greensboro, NC

October 3-4, 2003

* *Body Weight Supported Gait Training*
* *New Technologies in Active Wound Management: Overview for the PT* *Practitioner*
* *Orthopedic Functional Assessments*
* *Prosthetics – Troubleshoot, Fit Evaluation, Gait Deviation*

*Evidence-Based Practice in Management of Spinal Dysfunction*

Western Carolina University

July 31, 2003

North Carolina Physical Therapy Association Mountain Region Teleconference

Cullowhee, NC

April 8, 2003

Combined Sections Meeting of the APTA

Nashville, TN

Feb, 2003

* *Aberrant Learning Associated with Upper Extremity Overuse: Intervention Strategies*
* *Foot and Ankle SIG Programming*
* *Research Thematic Poster Session: Body Weight Supported Gait Training*
* *Research Platforms Session C: Spinal Cord Injury*
* *Neuropharmacological and Spinal Contributions to Impaired Locomotion*
* *Research Platform Session: Motor Control and Recovery in Neurorehabilitation*

*Ethics in Physical Therapy*

North Georgia College and State University, Dahlonega, GA

January, 2003

*Lower Extremity Orthoses After Spinal Cord Injury*

Shepherd Center, Atlanta, GA

December 4, 2001

*Neuroanatomy Review*

North Georgia College and State University, Dahlonega, GA

2 contact hours

2001

Combined Sections Meeting of the APTA

New Orleans, LA

February, 2001

*Ethics in Physical Therapy*

Gwinnett Technical College

2001

University Courses Acceptable for Continuing Education (1999-2001)

* PET 6346C – Biomechanics (3 s.h.)

University of Florida

1999

* PET 6347 - Biomechanical Instrumentation (3 s.h.)

University of Florida

2000

* EML 5598 - Orthopaedic Biomechanics (3 s.h.)

University of Florida

2000

* PHT 6316 - Neurologic Aspects of Orthopaedic Rehabilitation (3 s.h.)

University of Florida

2000

* EML 6597 - Mechanics of Gait (3 s.h.)

University of Florida

2001

* PET 6218 - Planning Motor Actions (3 s.h.)

University of Florida

2001

*Rehabilitation of the Shoulder Complex (Part II)*

Atlanta, GA

Fall semester, 1999

Physical Therapy Association of Georgia – Annual Fall Meeting

Kennesaw, GA

October, 1999

*Clinical Educators’ Institute*

North Georgia College and State University

April 24, 1999

*Public Defense of Theses*

North Georgia College and State University

November 2, 1998

*Evaluation and Treatment of Common Pathologies of the Foot & Ankle*

Northeast Georgia Health System, Inc., Gainesville, GA

June 19, 1998

Physical Therapy Association of Georgia – Region 9 Meeting

Athens, GA

Semi-annual Meeting

April and October, 1998

Physical Therapy Association of Georgia – Annual Fall Meeting

Atlanta, GA

October, 1997

*Knee and Shoulder Update*

Northeast Seminars, Jacksonville, FL

August 23, 1997

*The Productive Employee*

The Rehabilitation Institute, Gainesville, GA

July 10, 1997

*Wound Care (emphasis on the diabetic wound)*

The Rehabilitation Institute, Gainesville, GA

April 19, 1997

Physical Therapy Association of Georgia – Region 9 Meeting

Athens, GA

Semi-annual Meeting

April and October, 1997

*Current Concepts in Wound Healing*

Orlando, FL

November 9-10, 1996

*Balance Dysfunction & Motor Control Theory*

The Rehabilitation Institute, Gainesville, GA

September 21-22, 1996

*The Internet and the World Wide Web as Clinical Tools in Physical Therapy*

North Georgia College and State University

September 19, 1996

Annual Conference of the American Physical Therapy Association (APTA)

Washington, D.C.

1995