

CURRICULUM VITAE

Kristen L. Jagger, PT, MSPT, PhD
Regis University, School of Physical Therapy

Education:

PhD
University of Florida
Biomechanics
December 2002

MSPT
North Georgia College and State University
Physical Therapy
June 1995

BS
University of South Florida
Biology
July 1992

None Conferred Georgia State University
Biology

None Conferred
Virginia Polytechnic and State University
Engineering

Licensure Information:

Colorado Physical Therapist License PTL0016062

Certifications:

American Board of Physical Therapy Specialties Orthopaedic Certified
Specialist: 2011; Recertified 2012 to present

Employment and Positions Held:

Faculty Professor
Regis University School of Physical Therapy
Denver, CO
January 2019 to present

Faculty
Associate Chair for Administration Professor
Tenured
Radford University
Roanoke, VA

August 2017 to December 2018

Faculty
Chair and Program Director
Associate Professor
Tenure-track
Radford University
Roanoke, VA
January 2015 to August 2017

Faculty
Associate Program Director
Associate Professor
Tenure-track
Radford University
Roanoke, VA
February 2014 to January 2015

Faculty
Core Faculty
Associate Professor
Tenure-Track
Radford University
August 2011 to present

Senior Physical Therapist and Clinic Manager
The Rehabilitation Institute in Dahlonega
Dahlonega, GA
July 2009 to July 2011

Faculty
Assistant Professor
Tenure-Track
North Georgia College and State University
Dahlonega, GA
August 2006 to May 2009

Faculty
Assistant Professor
Tenure-Track
Western Carolina University
Cullowhee, NC
January 2000 to May 2006

PRN Physical Therapist
Piedmont Hospital
Atlanta, GA

February 2002 to December 2002

PRN Physical Therapist
Shepherd Center
Atlanta, GA
February 2002 to December 2002

PRN Physical Therapist
Professional Therapy Services, L.L.P.
Gainesville, GA
July 1999 to December 2001

Teaching Assistant
University of Florida
Gainesville, FL
August 1999 to May 2001

Staff Physical Therapist
Northeast Georgia Healthcare System
Gainesville, GA
May 1999 to June 1999

Staff Physical Therapist
University of Texas Medical Branch – Galveston
Galveston, TX
August 199 to April 1996

Peer-Reviewed Publications:

Tennant LM, Nelson-Wong E, Kuest J, Lawrence G, Levesque K, Owens D, Prisby J, Spivey S, Albin SR, Jagger K, Barrett JM, Callaghan JP. A Comparison of Clinical Spinal Mobility Measures to Experimentally Derived Lumbar Spine Passive Stiffness. *J Appl Biomech.* 2020;Oct 12: 1-11. Doi: 10.1123/jab.2020-0030.

Jagger K, Frazier A, Aron A, Harper B. Scoring performance variations between the y-balance test, a modified y-balance test, and the modified star excursion balance test. *Int J Sports Phys Ther.* 2020;15(1):34–41.

Malloy B, Furrow D, Cook H, Smoot E, Cash L, Jagger K, Aron A, Harper B. Anterior talofibular ligament and superior extensor ankle retinaculum thickness: relationship with balance. *J Korean Foot Ankle Soc* 2019;23(4):173-182
<https://doi.org/10.14193/jkfas.2019.23.4.173>.

Harper B, Jagger K, Aron A, Steinbeck L, Stecco A. A commentary review of the cost effectiveness of manual therapies for neck and low back pain. *J Bodyw Mov Ther.* 2017;21(3):684–691.
doi:10.1016/j.jbmt.2016.09.014.

Harper B, Siyufy A, Castleberry J, Mickle A, Jagger K, Waff A, Cox K. Clinical experiences using a hit impact indicator in youth football. *The Sport Journal*. 2015; Nov 3.

Peer-Reviewed Scientific and Professional Presentations:

Choice E, Chochrane-Snyman KC, Tufano JJ, Jagger K. Match Play External and Internal Load In NCAA Division II Women's Soccer. Presented at the 2022 NSCA National Conference, July 8, New Orleans, LA.

Harper B, Jagger K, and Glass S. Center of Pressure Velocity and Motor Control Strategies Vary During MSEBT and YBT-LQ. Presented at the 2022 ACSM Annual Meeting, June 1, San Diego, CA.

Jagger K, Taylor K, Medaugh G, Lake A, Stahley J. Accuracy of Video Based Visual Estimation of Joint Range of Motion for Telehealth Use. Presented at the 2022 Combined Sections Meeting of the APTA, February 4, San Antonio, TX.

Tennant LM, Nelson-Wong E, Kuest JD, Lawrence GA, Levesque K, Owens DS, Prisby J, Spivey SK, Jagger KL, Albin SR, Barrett JM, Wong JD, Callaghan JP. A comparison of passive lumbar stiffness evaluated using a prediction equation and lumbar tissue stiffness measured via myotonometry. Presented at the Canadian Society for Biomechanics Conference (CSB), May 25-28, 2021, Montreal, Québec, CA (virtual)

Hudson M, Migliarese K, Wagnon T, Jagger K, Aron A, Glass S, Harper B. The Relationship Between Perception of Ankle Instability and Dynamic Balance in Individuals with a History of Ankle Sprains. 2020 American College of Sports Medicine National Conference, Abstracts shared virtually. May 2020

Tennant LM, Kuest JD, Lawrence GA, Levesque K, Owens DS, Prisby J, Spivey SK, Jagger KL, Albin SR, Callaghan JP, Nelson-Wong EJ. Lumped Rotational Lumbar Spine Stiffness Cannot be Explained by Tissue Stiffness Measured Via Myotonpro(R). Combined Sections Meeting of the American Physical Therapy Association, Denver, CO. Poster Presentation. February 2020

Nelson-Wong EJ, Jagger KL, Kuest JD, Lawrence GA, Levesque K, Owens DS, Prisby J, Spivey SK, Tennant LM, Callaghan JP, Albin SR. Sex-Specific Differences in Tissue Properties of the Lumbar SPINE: Indications for Sex-Specific Interventions? Combined Sections Meeting of the American Physical Therapy Association, Denver, CO. Poster Presentation.

February 2020

Malloy B, Aron A, Furrow D, Smoot N, Cash L, Jagger K, Harper B.
Relationship Between Balance and Anterior Talofibular Ligament and Superior
Extensor Ankle Retinaculum Thickness.
2019 American College of Sports Medicine National Conference, Indianapolis.
Poster Presentation.
May 2019

Zimmerman A, Repass V, Maguire J, Lesko C, Van Nutt G, Jagger K, Harper B.
Using King-Devick and CTSIB-M Scores to Assess Effect of Soccer Heading Drill
on Adolescent Female Soccer Players.
Combined Sections Meeting of the American Physical Therapy Association,
Washington, DC. Poster Presentation.
January 2019

Bailey C, Holshouser C, Wilaford N, Jagger KL, Harper B, Aron A.
The Reliability of Musculoskeletal Ultrasound Measurements Recorded by Certified
and Uncertified Clinicians.
Combined Sections Meeting of the American Physical Therapy Association, New
Orleans, LA. Poster Presentation.
February 2018

Jagger KL, Bailey C, Harper B.
Integrating Real-Time Musculoskeletal Ultrasound Education into a Doctor of
Physical Therapy Curriculum.
Combined Sections Meeting of the American Physical Therapy Association, San
Antonio, TX. Poster Presentation.
February 2017

Adkins A, Brooks A, Cross A, Franck H, Jagger KL.
A Comparison Between Performance on Modified Star Excursion Balance Test on
a Flat Surface Versus Elevated Surface.
3rd Annual Waldron College Interprofessional Symposium & Expo, Radford, VA.
Poster Presentation.
April 2016

Jagger, K, Swanson E, Loiselle E, Shipley A, Stump K.
Is There a Difference in Balance Reactions in Healthy Transtibial Prosthetic Users
When Comparing Selected K3 Feet? A Pilot Study.
Carilion Research Day, Roanoke, VA. Poster Presentation.
April 2014

Castleberry J, Harper B, Huth R, Linville R, Siyufy A, Jagger K, & Swanson E.
Pedagogical Integration in Higher Education: Developing Critical Thinking Skills,
Building Self Confidence.
Conference on Higher Education Pedagogy, Blacksburg, VA. Poster Presentation.

February 2014

Harper B, Jagger K, Castleberry J, Siyufy A, Aron A, Huth R, Swanson E, & John E.
Developing an Autonomous Entry-Level Doctor of Physical Therapy Practitioner:
The Science and Art of a Clinical Education Program.
Conference on Higher Education Pedagogy, Blacksburg, VA. Poster Presentation.
February 2013

Castleberry JM, Harper B, Huth R, Jagger KL, John E, Siyufy A, & Swanson E.
An Integrated Doctor of Physical Therapy Curriculum: Fulfilling a Growing
Community Need. Conference on Higher Education Pedagogy, Blacksburg, VA.
Poster Presentation.
February 2012

Jagger KL, McPherson SL.
Combining Motion Analysis and Motor Learning to Augment Physical Therapy
Education. National Meeting of the American Physical Therapy Association, San
Antonio, TX. Poster Presentation.
June 2008

McPherson SL, Jagger KL, Schrodtt LA.
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, 2006.

McPherson SL, Bull J, Jagger KL.
Knowing and Doing: Effect of Two Different Videotaped Instructional Models on
Motor and Verbal Behaviors of Adults' Lifting.
Combined Sections Meeting of the American Physical Therapy Association, New
Orleans, LA. Poster Presentation.
February 2005

Jagger KL, Chow JW, Tillman MD, & Bruce JA.
Do foot orthotics have an acute effect on the gait mechanics of individuals with
chronic incomplete spinal cord injury? A preliminary study.
Combined Sections Meeting of the American Physical Therapy Association,
Nashville, TN. Poster Presentation.
February 2004

Jagger KL, Ensich CA, & Tillman MD.
The relationships among ground reaction forces, joint angles, and anthropometric
measures during front and lateral step-ups.
American Society of Biomechanics, San Diego, CA. Poster Presentation.
August 2001

Funded/In Review Grant Activity

Principle Investigator

\$3,058

Balance Testing in Healthy Older Adults: Correlations Between the Y Balance Test and the Brief_BEST est.

2019-2020, Regis University Research and Scholarship Council

Co-Investigator

\$1,000

High Impact Practices (HIPs) Grant to Enhance the Classroom Experience.

2017-2018, Radford University High Impact Practices Grants

Co-Investigator

\$10,000

Changing Connective Tissue Thickness: Effect on Outcomes.

2015-2016, Waldron College of Health and Human Services Research Grant

Principle Investigator

\$1500

Summer Research Fellowship

2005, Western Carolina University's Research and Graduate Studies

Principle Investigator

\$191,850

Grant submission for funds to establish a Human Movement Science Laboratory.

2004-2006, Kate B. Reynolds Charitable Trust

Current/Active Research Activity:

Jagger K, Lake A, Medaugh G, Stahley J, Taylor K

Balance Testing in Healthy Older Adults: Correlations Between the Y Balance Test and the Brief_BESTest.

Funding: Internal.

Membership in Scientific/Professional Organizations:

Colorado Physical Therapy Association

2018 to present

Member

APTA, Education Section

2015 to present (and 2005-2009)

Member

Virginia Physical Therapy Association

2011 to 2019

Member

APTA, Orthopaedics Section

2003 to present

Member

APTA, Neurologic Section

2003 to 2009

Member

American Physical Therapy Association (APTA)

1993 to present

Member

Consultative and Advisory Positions Held:

Dissertation Committee Member – Reader

Candidate: Erin Choice, MS

Title: *A Retrospective Analysis of the Physical Demands of a Women's NCAA Division II Soccer Season with Measures of External Load (GPS and Accelerometry) and Internal Load (Session Rate of Perceived Exertion)*

Concordia University

August 2020 – June, 2021

Reviewer

Journal of Athletic Training

2020 to present

Consultant

Design/build of a university biomechanics laboratory

Pond & Company, Atlanta, GA

October 2017

Community Service

Volunteer

Arrupe High School Athlete Checks

Fall 2021 to present

Volunteer

Regis Community Garden

Summer 2021

Volunteer

Clear Creek Clean-Up

April 23, 2021

Volunteer

Regis Covid Vaccine Clinic

April 19, 2021

Volunteer

Providing Body In Balance™ screening for members of the local community

9Health Fair at Bell Middle School
Golden, CO
October 2019

Volunteer
Assisting in health clinic during the Regis Gear Distribution Fair
Haven of Hope
Denver, CO
March 2019

Volunteer
Assisting with athlete screening
Salem High School Physicals Salem, VA
May 2018

Volunteer, Assisting with athlete screening
Salem High School Physicals
Salem VA
May 2017

Volunteer
Assisting with athlete screening
Salem High School Physicals
Salem, VA
May 2016

Volunteer
Assisting with athlete screening
Salem High School Physicals
Salem, VA
May 2015

Asst. Clerk, Board of Directors
Metropolitan Community Church of the Blue Ridge
December 2014 to December 2016

Volunteer
Assisting with athlete screening
Salem High School Physicals
Salem, VA
May 2014

Volunteer
Serving and preparing food one evening quarterly
Rescue Mission Ministries
Roanoke, VA
2013 to 2014

Volunteer

Children's Ministry, Music Ministry, Cleaning Ministry, and Worship Ministry
Metropolitan Community Church of the Blue Ridge
2012 to 2014

Volunteer

Assisting with pre-race registrations and post-race food serving
Mountain Junkies, Inc.
2012 to 2018

Volunteer

Trail Building at Carvin's Cove
Roanoke Parks and Recreation
2012

Presentation

"The Role Physical Therapy in Today's Healthcare Environment" Sunrise Rotary of
Dahlongega
2010

Volunteer

Treasurer for community water association
Chestatee Valley, Inc.
2008 to 2011

Volunteer

"Cox MS 150" Team Shepherd Cycling
2007

Volunteer

Adventure Skills Workshop
Shepherd Center
2007 and 2008

Demonstration

Human Movement Sciences Laboratory for the community
Western Carolina University
2005

Volunteer

Adventure Skills Workshop
Shepherd Center
2002

Volunteer

Classifier

National Wheelchair Basketball Association
2002 to 2004

Volunteer
"MS 150" Team Shepherd Cycling
2001

Volunteer
Wheelchair Division
Peachtree Road Race
2001

Volunteer
Sideline Injury Assessments
Hall County High School Athletic Association
1997 to 1999

Service to the University/College/School on Committees/Councils/Commissions:

University-wide:

Radford University Faculty Awards Committee
2016 to 2017
Member

Radford University Graduate Affairs Council (GAC)
2015 to 2016
Member

Radford University Student Grievance Committee, Sub-Committee of GAC
2015 to 2016
Member

Radford University Policies & Procedures, Sub-Committee of GAC
2015 to 2016
Member

Radford University Faculty Awards Committee
2012 to 2013
Member

North Georgia College and State University Faculty Senate
2008 to 2009
Member

North Georgia College and State University Graduate Council
2008 to 2009
Member

Western Carolina University Scholarly Development Assignment Program
2005 to 2006
Chair

Western Carolina University Scholarly Development Assignment Program
2004-2005
Member

College:

RHCHP Committee on Rank
2021- present
Member

Radford University College Equity Committee
2015 to 2018
Member

Radford University College Assessment Committee
2015 to 2018
Member

Radford University College Leadership Team
2015 to 2018
Member

Western Carolina University College Curriculum Committee
2004 to 2006
Member

Western Carolina University College Dean's Faculty Advisory Committee
2004 to 2006
Member

School:

Regis University School of Physical Therapy Strategic Planning Team – Fiscal
2021 to present
Member

Regis University School of Physical Therapy Acadaware Team
2019 to present
Member

Regis University School of Physical Therapy CAPTE Steering Committee
2019 to present
Member

Regis University School of Physical Therapy Creative Ingenuity Committee

2019 to present
Member

Regis University School of Physical Therapy Curriculum Committee
2019 to 2021
Member

Radford University Department of Physical Therapy Curriculum Committee
2017 to 2018
Member

Radford University Department of Physical Therapy Ad Hoc Personnel Committee
2014 to 2015
Member

Radford University Department of Physical Therapy Selection Committee
2013 to 2014
Assistant Chair

Radford University Department of Physical Therapy Ad Hoc Personnel Committee
2013 to 2014
Member

Radford University Department of Physical Therapy Selection Committee 2012 to
2013
Co-Chair

Radford University Department of Physical Therapy GRE/GPA Team
Selection Committee
2011 to 2014
Member

Radford University Department of Physical Therapy Selection Committee
2011 to 2012
Chair

Radford University Department of Physical Therapy Curriculum Committee
2011 to 2018
Member

Radford University Department of Physical Therapy Personnel Committee
2011 to 2015
Member

Radford University Department of Physical Therapy Human Anatomy Ad Hoc
Committee

2011 to 2012
Chair

North Georgia College and State University Physical Therapy Curriculum
Committee
2006 to 2009
Member

North Georgia College and State University Physical Therapy Promotion and
Retention Committee
2006 to 2009
Member

North Georgia College and State University Physical Therapy Outcomes
Committee
2006-2009
Member

North Georgia College and State University Physical Therapy Ad Hoc Committee
for Promotion and Tenure
2006 to 2009
Member

North Georgia College and State University Physical Therapy ACCE Search
Committee
2006 to 2007
Member

Western Carolina University Human Movement Science Laboratory
2004 to 2006
Director

Western Carolina University Executive Committee of the Human Movement
Science Laboratory
2004 to 2006
Chair

Western Carolina University Advisory Committee of the Human Movement Science
Laboratory
2004 to 2006
Member

Western Carolina University Physical Therapy Graduate Assistant Committee 2003
to 2006
Member

Western Carolina University Physical Therapy Curriculum Committee
2003 to 2006
Member

Western Carolina University Physical Therapy Search Committee
2003 to 2006
Member

Western Carolina University Physical Therapy Recruitment and Marketing Committee
2003 to 2006
Member

Western Carolina University Physical Therapy Grievance Committee
2003 to 2006
Member

Western Carolina University Physical Therapy Continuing Education Committee
2003 to 2006
Member

Western Carolina University Physical Therapy Recognition/Hooding Ceremony Committee
2003 to 2006
Member

Western Carolina University Physical Therapy Student Awards Committee
2003 to 2006
Member

North Carolina Physical Therapy Association Scholarship and Loan Committee
2003 to 2004
Liaison

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

Honors and Awards:

Nominated, Exemplary Abstract, Academy of Orthopaedic Physical Therapy Accuracy of Video Based Visual Estimation of Joint Range of Motion for Telehealth Use. Presented at the Combined Sections Meeting of the APTA, February 4, San Antonio, TX.
2022

Distinguished Chair Award, Radford University Waldron College of Health and Human Services
2017

Summer Honors Best Academic Session Award
North Georgia College and State University
2007

Runner-up, College of Applied Sciences Innovation in Teaching Award
Western Carolina University
2006

Runner-up, College of Applied Sciences Excellence in Teaching Award
Western Carolina University
2005

Continuing Education Attended:

Combined Sections Meeting of the APTA, virtual
February 2021

Combined Sections Meeting of the APTA, Denver, CO.
February 2020

Dry Needling – Level I (Kinetacore), Denver, CO.
August 2019

Level II Fascial Manipulation® Roanoke, VA.
April and June 2018

Combined Sections Meeting of the APTA, New Orleans, LA.
February 2018

Level I Fascial Manipulation® Roanoke, VA.
September and November 2017

Educational Leadership Conference, CAPTE Self-Study Course, Columbus, OH.
October 2017

Combined Sections Meeting of the APTA, San Antonio, TX.
February 2017

Education Leadership Conference, Phoenix, AZ.
October 2016

Certification in Musculoskeletal Ultrasound Imaging - Training Workshops, New York, NY.

January and June 2016

Annual State Meeting of the Virginia Physical Therapy Association, Newport News, VA.

October 2015

Valley District Meeting of the Virginia Physical Therapy Association, Roanoke, VA.
September 2015

NEXT Conference & Exposition, National Harbor, MD.

June 2015

Residency/Fellowship 102: Develop, Design, and Accredited It, National Harbor, MD.

June 2015

Combined Sections Meeting of the APTA, Indianapolis, IN.

February 2015

Current Teaching Responsibilities:

Fall 2020:

DPT 703: Biomechanics/Kinesiology – Extremities

HES 374: Applied Human Anatomy

HES 375: Applied Human Anatomy Lab

HES 420: Functional Anatomy

HES 421: Functional Anatomy Lab

Spring 2021:

DPT 730: Physical Therapy Examination

HES 435: Exercise Prescription Lab

Summer 2021:

DPT 719: Exercise Foundations

DPT 733: Musculoskeletal Management I