

Benjamin R Kivlan, PhD, PT, OCS, SCS
Duquesne University
Department of Physical Therapy
John G. Rangos, Sr. School of Health Sciences
139 Health Sciences Building
412-396-4776
kivlanb@duq.edu

I. Professional Preparation and Experience

A. Education

Duquesne University
Pittsburgh, PA
Doctor of Philosophy: Rehabilitation Science
December 2014

Duquesne University
Pittsburgh, PA
Master of Science: Rehabilitation Science
May 2013

University of Pittsburgh
Pittsburgh, PA
Master of Physical Therapy
June 2000

Elon College
Elon, NC
Bachelor of Science: Exercise Science
May 1998

B. Work History

1. Academic Appointments

Duquesne University
Rangos School of Health Sciences
Pittsburgh, PA
Associate Professor
January 2021 - Present

Duquesne University
Rangos School of Health Sciences
Pittsburgh, PA
Assistant Professor
July 2015- January 2020

Duquesne University
Rangos School of Health Sciences
Pittsburgh, PA
Instructor
July 2012 – June 2015

Slippery Rock University
Department of Physical Therapy
Slippery Rock, PA
Instructor

June 2003 – August 2007

2. Non-Academic Appointments

Tri-State Physical Therapy
Pittsburgh, PA
Physical Therapist
July 2012 – Present

Tri-State Physical Therapy
Pittsburgh, PA
Director of Rehabilitation
December 2005- July 2012

North Hills Orthopedic and Sports Physical Therapy
Sewickley, PA
Physical Therapist
June 2000 – May 2005

C. Professional Certifications

Orthopaedic Certified Specialist (OCS)
July, 2006 – June, 2026
Certificate #10644

Sports Certified Specialist (SCS)
May, 2013 – June, 2023
Certificate #6179

Emergency Medical Responder
September, 2012

National Strength & Conditioning Association
Certified Strength & Conditioning Specialist (CSCS)
June, 2005

D. Membership in Professional Organizations

American Physical Therapy Association
From 1998 to Present
Member

Sports Physical Therapy Section
From 2001 to Present
Member

Orthopedic Physical Therapy Section
From 2005 to Present
Member

Physical Therapy Education Section
From 2001 to Present
Member

II. Teaching

A. Graduate Courses Taught

COURSE NAME	COURSE NUMBER	NUMBER OF CREDITS	Years Taught
Anatomy I/Lab	HLTS 320/470/570	4	4
Anatomy II/Lab	HLTS 321/471/571	4	3
Histology	HLTS 335/435/535	1	4
Therapeutic Exercise	REHS 435	3	1
Orthopedic Science-Upper Extremity	PHYT 519	3	1
Specialized Topics in Anatomy	REHS 638	3	2
Specialized Topics in Anatomy II	REHS 639	3	2
Independent Study: Relationships of biomechanics of the Hip and Ankle	REHS 601	3	1

B. Undergraduate Courses Taught

COURSE NAME	COURSE NUMBER	NUMBER OF CREDITS	Years Taught
Anatomy I/Lab	HLTS 320/470/570	4	4
Anatomy II/Lab	HLTS 321/471/571	4	3
Histology	HLTS 335/435/535	1	4

C. Academic Advisement

1. Advisees at Duquesne University

Advisor to Lindsay Carroll RSHS PhD program

Advisor to 10 undergraduate and 9 graduate students in the Physical Therapy Program

D. Publications Pertaining to Teaching

1. Book Chapter Pertaining to Instructional Material

Martin RL & Kivlan BR. The Hip Complex. In: Levangie PK. *Joint Structure and Function: A Comprehensive Analysis (5th edition)*. FA Davis Company. 2019.

Martin RL, Kivlan BR, Enseki KR. "Rehabilitation After Hip Arthroscopy." *Hip Joint Restoration*. Springer New York, 2017. 815-823

Published after July 1, 2015 (appointment to Assistant Professor)

Kivlan BR, Martin RL. Functional Performance Testing of the Hip. In: Hughes CJ, ed. *Injuries to the Hip*. American Physical Therapy Association Orthopedic Section. La Crosse, WI; 2014.

Kivlan B, Martin R, Martin H, Kelly B. Hip Injuries in Baseball. In: *Sports Medicine of Baseball*, editor: Dines J. Lippincott Williams & Wilkins, 2012.

Martin RL & **Kivlan BR**. The Hip Complex. In: Levangie PK. *Joint Structure and Function: A Comprehensive Analysis (5th edition)*. FA Davis Company. 2011.

Kivlan B. Prevention and Overuse Injuries in the Pediatric Athlete. In: Hughes CJ, ed. *Orthopedic Management of the Pediatric Athlete*. American Physical Therapy Association Orthopedic Section. La Crosse, WI; 2009.

Biornaraa J, **Kivlan B**. Sports Activity Following Total Joint Arthroplasty. In: Cuoco A, ed. *Rehabilitation of the Aging Athlete*. Indianapolis, IN: American Physical Therapy Association Sports Section; 2006.

E. Presentations Pertaining to Teaching Professional Application Skills

The Hip-Spine Connection

American Physical Therapy Association Combined Sections Meeting:
Washington DC. January, 2019. CEU's: 2.0
Also: PT/OT Directors Conference. Chicago, IL. October, 2018.

Differential Diagnosis of the Hand/Wrist/Elbow.

PT-Management Support Systems
Webinar, July 18, 2018 CEU's: 1.5

Differential Diagnosis of the Shoulder Girdle and Superficial Back.

PT-Management Support Systems
Webinar, June 6, 2018 CEU's: 1.5

Differential Diagnosis of the Leg and Foot/Ankle Complex

PT-Management Support Systems
Webinar, April 24, 2018 CEU's: 1.5

Differential Diagnosis of the Knee Joint and Thigh Region

PT-Management Support Systems
Webinar, March 21, 2018 CEU's: 1.5

Differential Diagnosis of the Hip Joint and Pelvic Region

PT-Management Support Systems
Webinar, March 21, 2018 CEU's: 1.5

Starting (and Getting Paid for) an Individualized Falls Prevention Program

PT-Management Support Systems
Webinar, August 16, 2017 CEU's: 1.5

Hip Instability

American Physical Therapy Association Combined Sections Meeting:
San Antonio, TX. February, 2017. CEU's: 2.0

Hip Pain Beyond Femoroacetabular Impingement and Labral Tears.

American Physical Therapy Association Combined Sections Meeting:
Anaheim, CA. February 2016. CEU's: 2.0

Differential Diagnosis, Evaluation, and Management of the Shoulder Complex.

Raleigh, NC March 2016
Hickory, NC March 2016
Exeter, NH April 2016 CEU's: 8.0

Differential Diagnosis, Evaluation, and Management of the Hip Complex.

Baton Rouge, LA. March 2014
Wilmington, NC March 2015
Hickory, NC March 2015
Exeter, NH April 2015
Raleigh, NC May 2015 CEU's: 8.0

Astym Treatment.

Baton Rouge, LA. March 2014
Indianapolis, IN. April 2014
Pittsburgh, PA June 2014
Chicago, IL July 2014
Pittsburgh, PA June 2015 CEU's: 24.0

Neuro Principles of Orthopedic Rehabilitation

PT/OT Directors Conference. Chicago, IL. October, 2016. CEU's: 1.0

Building an Evidence Based Practice

PT/OT Directors Conference. Chicago, IL. October, 2015. CEU's: 1.0

Differential Diagnosis, Evaluation, and Management of the Hip Complex.

West Virginia Physical Therapy Association Conference. April 5, 2014.

Differential Diagnosis, Evaluation, and Management of Shoulder Pain.

Duquesne University
John G. Rangos Sr. School of Rehabilitation Sciences
December 7-8, 2013

Differential Diagnosis, Evaluation, and Management of Lumbopelvic, Abdominal, and Hip Pain.

Duquesne University
John G. Rangos Sr. School of Rehabilitation Sciences
December 1-2, 2012

Treating the Young Athlete. Motivations Inc.

Fort Mill, SC. May 2009 – 2011

How to Treat the Young Athlete. Therapeutic Service Systems

Galveston, TX. February 2004 – November 2007.

Functional Testing for Hip Dysfunction in the Performing Arts

International Society of Hip Arthroscopy, Annual Scientific Meeting. Boston, USA.
October 15, 2012.

Current Concepts in Evaluation and Treatment of Femoroacetabular Impingement of the Athlete

Pennsylvania Athletic Trainers' Society, Annual Clinical Symposium
Lancaster, PA. June 11, 2011.

Management of a HAGL lesion in the skeletally immature patient.

American Physical Therapy Association Combined Sections Meeting
San Diego, CA. February, 2006.

The importance of CORE training after ACL graft rejection.

American Physical Therapy Association Combined Sections Meeting.
New Orleans, LA. February, 2005.

Grand Rounds: Patient Case of Vascular Claudication

University of Pittsburgh Physical Therapy Department.
Pittsburgh, PA. 1999.

F. Honors and Awards Related to Teaching

Dean's Award for Faculty Excellence in Teaching; Duquesne University, Rangos School of Health Sciences, May 2017

III. Scholarship

A. Scholarly Publications

1. Articles Presenting Original Work (Peer Reviewed)

Martin RL, **Kivlan BR**, Christoforetti JJ, Wolff AB, Nho SJ, Salvo Jr JP, Van Thiel G, Matsuda D, Carreira DS. Defining Variations in Outcomes of Hip Arthroscopy for Femoroacetabular Impingement Using the 12-Item International Hip Outcome Tool (iHOT-12). *The American Journal of Sports Medicine*. 2020 Apr;48(5):1175-80.

Role: 50% contribution in study design, data analysis/interpretation and manuscript preparation/review

Martin RL, **Kivlan BR**, Christoforetti JJ, Wolff AB, Nho SJ, Salvo JP, Van Thiel G, Matsuda D, Carreira DS. A tiered system using substantial clinical benefit and patient acceptable symptomatic state scores to evaluate 2-year outcomes of hip arthroscopy with the Hip Outcome Score. *Journal of Hip Preservation Surgery*. 2020 Feb 3.

Role: 50% contribution in study design, data analysis/interpretation and manuscript preparation/review

Martin RL, **Kivlan BR**, Christoforetti JJ, Wolff AB, Nho SJ, Salvo Jr JP, Ellis TJ, Van Thiel G, Matsuda D, Carreira DS. Unique Substantial Clinical Benefit Values for the 12-Item International Hip Outcome Tool (iHOT-12) Based on Preoperative Level of Function. *Arthroscopy: The Journal of Arthroscopic & Related Surgery*. 2020 Jan 7.

Role: 50% contribution in study design, data analysis/interpretation and manuscript preparation/review

McGovern RP, Martin RL, Phelps AL, **Kivlan BR**, Nickel B, Christoforetti JJ. Conservative management acutely improves functional movement and clinical outcomes in patients with pre-arthritic hip pain. *Journal of Hip Preservation Surgery*. 2020 Jan 22.

Role: 30% contribution in study design and manuscript preparation/review

Harris JD, Mather RC, Nho SJ, Salvo JP, Stubbs AJ, Van Thiel GS, Wolff AB, Christoforetti JJ, Ellis TJ, Matsuda DK, **Kivlan BR**. Reliability of hip range of motion measurement among experienced arthroscopic hip preservation surgeons. Journal of Hip Preservation Surgery. 2019 Dec 12.

Role: 30% contribution in study design, 10% data analysis/interpretation and manuscript preparation/review

Matsuda DK, **Kivlan BR**, Nho SJ, Wolff AB, Salvo Jr JP, Christoforetti JJ, Ellis TJ, Carreira DS. Arthroscopic outcomes as a function of acetabular coverage from a large hip arthroscopy study group. Arthroscopy: The Journal of Arthroscopic & Related Surgery. 2019 Aug 1;35(8):2338-45.

Role: 50% contribution in study design, 100% data analysis, 50% manuscript preparation/review

Kivlan BR, Carroll L, Burfield A, Enseki KR, Martin RL. Length change of the iliofemoral ligament during tests for anterior microinstability of the hip joint: a cadaveric validity study. International journal of sports physical therapy. 2019 Jul;14(4):613.

Role: 50% contribution in study design, data collection, data analysis/interpretation and manuscript preparation/review

Martin RL, **Kivlan BR**, Christoforetti JJ, Wolff AB, Nho SJ, Salvo Jr JP, Ellis TJ, Van Thiel G, Matsuda D, Carreira DS. Minimal Clinically Important Difference and Substantial Clinical Benefit Values for a Pain Visual Analog Scale After Hip Arthroscopy. Arthroscopy: The Journal of Arthroscopic & Related Surgery. 2019 Jun 14.

Role: 50% contribution in study design, data analysis/interpretation and manuscript preparation/review

Martin RR, McDonough C, Enseki K, Kohreiser D, **Kivlan BR**. Clinical relevance of the ligamentum teres: a literature review. International Journal of Sports Physical Therapy. 2019 Jun 1;14(3).

Role: 30% contribution in study design, data collection, data analysis/interpretation and manuscript preparation/review

Kivlan BR, Martin RL, Christoforetti JJ, Wolff AB, Nho SJ, Salvo Jr JP, Ellis TJ, Van Thiel G, Matsuda D, Carreira DS. The Patient Acceptable Symptomatic State of the 12-Item International Hip Outcome Tool at 1-Year Follow-Up of Hip-Preservation Surgery. Arthroscopy: The Journal of Arthroscopic & Related Surgery. 2019 Apr 15. (1-17)

Role: 75% contribution in study design, data analysis/interpretation and manuscript writing

Martin RL, **Kivlan BR**, Christoforetti JJ, Wolff AB, Nho SJ, Salvo Jr JP, Ellis TJ, Van Thiel G, Matsuda DK, Carreira DS. Minimal clinically important difference and substantial clinical benefit values for the 12-item International Hip Outcome Tool. Arthroscopy: The Journal of Arthroscopic & Related Surgery. 2019 Feb 1;35(2):411-6.

Role: 50% contribution in study design, 100% data analysis, 50% manuscript preparation/review

McGovern RP, Martin RL, **Kivlan BR**, Christoforetti JJ. Non-operative management of individuals with non-arthritic hip pain: a literature review. International journal of sports physical therapy. 2019 Feb;14(1):135.

Role: 30% contribution in study design, data collection, data analysis/interpretation and manuscript preparation/review

McGovern RP, Christoforetti JJ, Martin RL, Phelps AL, **Kivlan BR**. Evidence for Reliability and Validity of Functional Performance Testing in the Evaluation of Nonarthritic Hip Pain. Journal of athletic training. 2019 Mar;54(3):276-82.

Role: 30% contribution in study design, data collection, data analysis/interpretation and manuscript preparation/review

Martin RL, **Kivlan BR**, Christoforetti JJ, Wolff AB, Nho SJ, Salvo JP, Ellis TJ, Van Thiel G, Matsuda DK, Carreira DS. The Impact of Depression on Patient Outcomes in Hip Arthroscopy. *The Orthopaedic Journal of Sports Medicine*. 2018 Nov 8;6(11).

Role: 40% contribution in study design, data analysis/interpretation and manuscript preparation/review

McGovern RP, Martin RL, Christoforetti JJ, **Kivlan BR**. Evidence-based procedures for performing the single leg squat and step-down tests in evaluation of non-arthritic hip pain: a literature review. *International journal of sports physical therapy*. 2018 Jun;13(3):526.

Role: 30% contribution in study design, data collection, data analysis/interpretation and manuscript preparation/review

Martin RL, McGovern RP, Martin HD, **Kivlan BR**. A mechanism for ligamentum teres injuries in femoroacetabular impingement: an anatomical study. *International Journal of Sports Physical Therapy*. 2018 Apr 1;13(2) 208-213.

Role: 30% contribution in study design, data collection, data analysis/interpretation and manuscript preparation/review

Salvo JP, Nho SJ, Wolff AB, Christoforetti JJ, Van Thiel GS, Ellis TJ, Matsuda DK, **Kivlan BR**, Chaudhry ZS, Carreira DS. Sex-Dependent Differences in Preoperative, Radiographic, and Intraoperative Characteristics of Patients Undergoing Hip Arthroscopy: Results From the Multicenter Arthroscopic Study of the Hip Group. *Arthroscopy: The Journal of Arthroscopic & Related Surgery*. 2018 Mar 1;34(3):844-52.

Role: 50% contribution in study design, 100% data analysis, 50% manuscript preparation/review

Matsuda DK, Wolff AB, Nho SJ, Salvo Jr JP, Christoforetti JJ, **Kivlan BR**, Ellis TJ, Carreira DS, Hip Dysplasia: Prevalence, Associated Findings, and Procedures From Large Multicenter Arthroscopy Study Group. *Arthroscopy: The Journal of Arthroscopic & Related Surgery*. 2018 Feb 1;34(2):444-53. (1-9)

Role: 50% contribution in study design, 100% data analysis, 50% manuscript preparation/review

Martin R, Martin HD, **Kivlan BR**. Nerve entrapment in the hip region: current concepts review. *International journal of sports physical therapy*. 2017 Dec;12(7):1163. (1-8)

Role: 50% contribution in study design, data collection, data analysis/interpretation and manuscript preparation/review

McGovern RP, **Kivlan BR**, Martin RL. Length Change of the Hip External Rotators in Common Stretch Positions: A Cadaveric Study. *Int J Sports Phys Ther*. December 2017; 12(7): 1068-1077.

Role: 50% contribution in study design, data collection, data analysis/interpretation and manuscript preparation/review

Kivlan BR, McGovern R, Martin RL, Marin HD. Validity of Dynamic Impingement Testng for Determining the Location of Femoroacetabular Impingement: A Cadaveric Study. 2017 BAOJ Ortho 1, 003.

Role: 75% contribution in study design, data collection, data analysis/interpretation and manuscript writing

Kivlan BR, Carcia CR, Christoforetti JJ, Martin RL. Comparison of range of motion, strength, and hop test performance of dancers with and without anterior hip pain. *International Journal of Sports Physical Therapy*. 2016 11(4), 527.

Role: 75% contribution in study design, data collection, data analysis/interpretation and manuscript writing

Kivlan BR, Martin RL, Martin HD. Defining the greater trochanter-ischial space: a potential source of extra-articular impingement in the posterior hip region. *Journal of Hip Preservation Surgery*. 2016 3(4), 352-357.

Role: 75% contribution in study design, data collection, data analysis/interpretation and manuscript writing

Sauber R, Saborio G, Nickel B, **Kivlan BR**, Christoforetti JJ. Pendulum Exercises following Hip Arthroscopy: A video technique with evidence-based rationale. *Arthroscopy Techniques*. 2016. 5(4) e897-e900.

Role: 50% contribution in data collection, data analysis/interpretation and manuscript writing

Kivlan BR, Martin RL, Martin HD. Ischiofemoral impingement: Defining the lesser trochanter-ischial space. *Knee Surgery, Sports Traumatology, and Arthroscopy*. 2017 Jan 1;25(1):72-6.

Role: 75% contribution in study design, data collection, data analysis/interpretation and manuscript writing

Kivlan BR, Carcia CR, Clemente FR, Phelps AL, Martin RL. The effect of Astym therapy on muscle strength: a blinded, randomized clinically controlled trial. *BMC Musculoskeletal disorders*. 2015. Oct 29; 16(1):325.

Role: 75% contribution in study design, data collection, data analysis/interpretation and manuscript writing

Articles Previous to July 1, 2015 (Before Assistant Professor appointment)

Martin HD, Hatem MA, **Kivlan BR**, Martin RL. Function of the ligamentum teres in limiting rotation: a cadaveric study. *Arthroscopy*. 2014 Sep;30(9):1085-1091.

Role: 50% contribution in study design, data collection, data analysis/interpretation and manuscript writing

Martin HD, **Kivlan BR**, Palmer IJ, Martin RL. Diagnostic accuracy of clinical tests for sciatic nerve entrapment in the gluteal region. *Knee Surg Sports Traumatol Arthrosc*. 2014 Apr;22(4):882-888.

Role: 70% contribution in data analysis/interpretation and manuscript writing

Martin RL, **Kivlan BR**, Clemente FR. A cadaveric model for ligamentum teres function: a pilot study. *Knee Surg Sports Traumatol Arthrosc*. 2013 Jul;21(7):1689-93.

Role: 50% contribution in study design, data collection, data analysis/interpretation and manuscript writing

Kivlan BR, Carcia CR, Clemente FR, Phelps AL, Martin RL. Reliability and validity of functional performance tests in dancers with hip dysfunction. *Int J Sports Phys Ther*. 2013 Aug;8(4):360-9.

Role: 75% contribution in study design, data collection, data analysis/interpretation and manuscript writing

Kivlan BR, Clemente FR, Martin RL, Martin HD. Function of the ligamentum teres during multi-planar movement of the hip joint. *Knee Surgery, Sports Traumatology, and Arthroscopy*. 2013 Jul;21(7):1664-8.

Role: 75% contribution in study design, data collection, data analysis/interpretation and manuscript writing

Martin RL **Kivlan BR**, Richard Clemente FL, Martin HD. A Cadaveric Model for Ligamentum Teres Function: A Pilot Study. *Knee Surgery, Sports Traumatology, and Arthroscopy*. 2013 Jul;21(7):1689-93.

Role: 75% contribution in study design, data collection, data analysis/interpretation and manuscript writing

Kivlan BR, Martin RL, Sekiya J. Response to Diagnostic Injection in Patients with

Femoroacetabular Impingement, Labral Tears, Chondral Lesions, and Extra-Articular Pathologies. *Arthroscopy*. 2011; 27 (5): 619-627.

Role: 75% contribution in literature synthesis and manuscript writing

Kivlan BR, Martin RL, Wukich D. Responsiveness of the Foot and Ankle Ability Measure in Individuals with Diabetes. *The Foot*. 2011; 21(2):84-7.

Role: 75% data analysis/interpretation and manuscript writing

Klingenstein G, Martin RL, **Kivlan B**, Martin HD, Kelly BT. Hip Injuries in the Overhead Athlete. *Clinical Orthopaedics and Related Research*. 2012; 470 (6): 1579-1585.

Role: 50% contribution in literature review and manuscript writing

Carcia CR, **Kivlan B**, Scibek JS. Time to Peak Force is Related to Frontal Plane Landing Kinematics in Female Athletes. *Physical Therapy in Sport* 2012; 13(2):73-9.

Role: 25% contribution in study design, data collection, data analysis/interpretation and manuscript writing

Carcia CR, **Kivlan B**, Scibek JS. The Relationship Between Lower Extremity Closed Kinetic Chain Strength & Sagittal Plane Landing Kinematics in Female Athletes. *International Journal of Sports Physical Therapy*. 62; 6 (1):1-9.

Role: 25% contribution in study design, data collection, data analysis/interpretation and manuscript writing

2. Invited Articles (Peer Reviewed)

Kivlan BR, Martin RL. Editorial Commentary: A-version to a Pain in the Butt—Structural and Dynamic Determinants of Posterior Hip Pain. *Arthroscopy* 2020; 36 (1), 156-158.

Role: 75% contribution in design, data analysis/interpretation, and manuscript writing

Kivlan BR et al. Multicenter Outcomes After Hip Arthroscopy: Epidemiology (MASH Study Group). What Are We Seeing in the Office, and Who Are We Choosing to Treat? *American Journal of Orthopedics* 2017 46(1), 35.

Role: 75% contribution in study design, data analysis/interpretation and manuscript writing

3. Review Articles (Peer Reviewed)

Martin RL, Martin HD, **Kivlan BR**. Nerve Entrapment in the Hip Region: Current Concepts Review. *Int J Sports Phys Ther*. December 2017; 12(7); 1163

Role: 30% contribution in study design, data collection, data analysis/interpretation and manuscript preparation/review

Articles published before July 1, 2015 (appointment as Assistant Professor)

Kivlan BR, Martin RL. Classification-based treatment of hip pathology in older adults. *Topics in Geriatric Rehabilitation*. 29:218-226; 2013.

Role: 50% contribution in literature synthesis and manuscript writing

Kivlan BR, Martin RL. Functional performance testing of the hip in athletes: a systematic review for reliability and validity. *International Journal of Sports Physical Therapy*. 2012; Aug;7(4):402-12.

Role: 75% contribution in study design, data collection, data analysis/interpretation and manuscript writing

4. **Articles Accepted for Publication (Peer Reviewed)**

5. **Non-Peer Reviewed Publications**

Articles published before July 1, 2015 (appointment as Assistant Professor)

Kivlan BR, Martin RL. Literature review and clinical application of function performance tests for hip-related dysfunction. *Orthopaedic Physical Therapy Practice*. 25:170-173; 2013.

Role: 50% contribution in literature synthesis and manuscript writing

Kivlan BR, Martin RL. Outcome instruments for the hip: A guide to implementation. *Orthopaedic Physical Therapy Practice*. 25:162-169; 2013.

Role: 50% contribution in literature synthesis and manuscript writing

Kivlan B. Prevention and Overuse Injuries in the Pediatric Athlete. In: Hughes CJ, ed. *Orthopedic Management of the Pediatric Athlete*. American Physical Therapy Association Orthopedic Section. La Crosse, WI; 2009.

Role: 100% contribution in literature synthesis and manuscript writing

Biornaraa J, **Kivlan B**. Sports Activity Following Total Joint Arthroplasty. In: Cuoco A, ed. *Rehabilitation of the Aging Athlete*. Indianapolis, IN: American Physical Therapy Association Sports Section; 2006.

Role: 50% contribution in literature synthesis and manuscript writing

B. **Book Chapters Pertaining to Scholarship**

Martin RL & **Kivlan BR**. The Hip Complex. In: Levangie PK. *Joint Structure and Function: A Comprehensive Analysis (6th edition)*. FA Davis Company. 2019.

Role: 50% contribution in literature synthesis and chapter writing

Martin RL, **Kivlan BR**, Enseki KR: Rehabilitation after Hip Arthroscopy. In: McCarthy J, Villar R, Noble, eds. *Hip Joint Restoration*. Springer New York, 2017. 815-823.

Chapter published before July 1, 2015 (appointment as Assistant Professor)

Kivlan B, Martin R, Martin H, Kelly B. Hip Injuries in Baseball. In: *Sports Medicine of Baseball*, editor: Dines J. Lippincott Williams & Wilkins, 2012.

Role: 60% contribution in literature synthesis and chapter writing

C. **Funded Grant Submissions**

SICOT Research Academy Grant

Mid to Long term outcomes and associated findings from the Multicenter Arthroscopic Study of the Hip (MASH) Study Group: A cross-sectional study of patients at 2 and 5 years following Hip Preservation Surgery.

August 2019

Award: \$10,000

Role: Primary investigator

Pennsylvania Physical Therapy Association

Validity of the use of the single leg squat test in people with chronic ankle instability

September 2019

Funded: \$750

Role: Co-investigator (50% participation)

Funding Prior to July 1, 2015 (Appointment to Assistant Professor)

Pennsylvania Physical Therapy Association

Functional Testing of the Hip

September 2011-September 2013: Work completed

Funded: \$1,000

Role: Co-investigator (50% participation)

D. Grant Submissions Not Funded

Sandy Kirkley Clinical Outcomes Research Grant

American Orthopaedic Society for Sports Medicine

"The effect of hip preservation surgery in the prevention of hip osteoarthritis: Mid to Long term outcomes and associated findings from the Multicenter Arthroscopic Study of the Hip (MASH) Study Group"

January 1, 2019

Not-Funded: \$20,000

Role: Co-Author/ Co-investigator

American Orthopaedic Society for Sports Medicine

"The effect of hip preservation surgery in the prevention of hip osteoarthritis: Mid to Long term outcomes and associated findings from the Multicenter Arthroscopic Study of the Hip (MASH) Study Group"

January 1, 2017

Not-Funded: \$50,000

Role: Co-Author/ Co-investigator

E. Scholarly Presentations

1. International Forum

Multi-center analysis of Sports-Related Outcomes of Adolescents following Hip Preservation Surgery

Kivlan BR, Martin RL, Christoforetti JJ, Wolff AB, Nho SJ, Salvo JP, Ellis TJ, Van Thiel G, Matsuda DK, Carreira DS.

International Society of Hip Arthroscopy Meeting; Madrid, Spain;

October, 2019. (*competitive review*)

Arthroscopic Outcomes as a Function of Acetabular Coverage from a Large Hip Arthroscopy Study Group

Matsuda DK, **Kivlan BR**, Nho SJ, Wolff AB, Salvo JP, Christoforetti JJ, Ellis TJ, Carreira DS.

International Society of Hip Arthroscopy Meeting; Madrid, Spain;

October, 2019. (*competitive review*)

The Effect of Cam Impingement on Severity of Synovitis: A Multi-center descriptive study

Carreira DS, Matsuda DK, **Kivlan BR**, Nho SJ, Wolff AB, Salvo JP, Christoforetti JJ, Ellis TJ.

International Society of Hip Arthroscopy Meeting; Madrid, Spain;

October, 2019. (*competitive review*)

Multi-center analysis of changes in Patient Satisfaction and Self-Reported Functional Outcomes between year-1 and year-2 following Hip Preservation Surgery

Kivlan BR, Martin RL, Christoforetti JJ, Wolff AB, Nho SJ, Salvo JP, Ellis TJ, Van Thiel G, Matsuda DK, Carreira DS.

International Society of Hip Arthroscopy Meeting; Madrid, Spain;

October, 2019. *(competitive review)*

Dysplasia with Acetabular Retroversion: Prevalence, Acetabuloplasty Rates, and Outcomes from a Large Hip Arthroscopy Study Group

Matsuda DK, **Kivlan BR**, Nho SJ, Wolff AB, Salvo JP, Christoforetti JJ, Ellis TJ, Carreira DS.

International Society of Hip Arthroscopy Meeting; Madrid, Spain;
October, 2019. *(competitive review)*

The Effect of Functional Movement Control on Patient Reported Outcomes in Individuals with Non-Arthritic Hip Pain

McGovern R, **Kivlan BR**, Martin RL, Christoforetti JJ.

International Society of Hip Arthroscopy Meeting; Madrid, Spain;
October, 2019. *(competitive review)*

The Impact of Depression on Patient Outcomes in Hip Arthroscopy

Martin RL, **Kivlan BR**, Christoforetti JJ, Wolff AB, Nho SJ, Salvo JP, Ellis TJ, Van Thiel G, Matsuda DK, Carreira DS.

International Society of Hip Arthroscopy Meeting; Melbourne, Australia;
October, 2018. *(competitive review)*

Evidence of Responsiveness with a Minimal Clinically Important Difference and Substantial Clinical Benefit Values for the 12-Item International Hip Outcome Score

Martin RL, **Kivlan BR**, Christoforetti JJ, Wolff AB, Nho SJ, Salvo JP, Ellis TJ, Van Thiel G, Matsuda DK, Carreira DS.

International Society of Hip Arthroscopy Meeting; Melbourne, Australia;
October, 2018. *(competitive review)*

Multicenter Arthroscopic Outcomes in Low, Normal, and High Acetabular Coverage Hips

Matsuda DK, **Kivlan BR**, Wolff AB, Nho SJ, Salvo Jr JP, Christoforetti JJ, , Ellis TJ, Carreira DS.

International Society of Hip Arthroscopy Meeting; Melbourne, Australia;
October, 2018. *(competitive review)*

Iliopsoas Pathology is Common but Tenotomy is Rarely Performed: Findings from a Large Multicenter Study

Matsuda DK, **Kivlan BR**, Wolff AB, Nho SJ, Salvo Jr JP, Christoforetti JJ, , Ellis TJ, Carreira DS.

International Society of Hip Arthroscopy Meeting; Melbourne, Australia;
October, 2018. *(competitive review)*

The Radiographic Crossover Sign in Dysplasia: Critical Findings from Large Hip Arthroscopy Study Group

Matsuda DK, Wolff AB, Nho SJ, Salvo Jr JP, Christoforetti JJ, **Kivlan BR**, Ellis TJ, Carreira DS.

International Society of Hip Arthroscopy Meeting; Melbourne, Australia;
October, 2018. *(competitive review)*

Multi-center cross-sectional cohort analysis of labrum reconstruction with minimum 2 year follow-up.

Kivlan BR, Martin RL, Christoforetti JJ, Wolff AB, Nho SJ, Salvo JP, Ellis TJ, Van Thiel G, Matsuda DK, Carreira DS.

International Society of Hip Arthroscopy Meeting; Melbourne, Australia;
October, 2018. *(competitive review)*

The Patient Acceptable Symptomatic State of the International Hip Outcome Tool-12 (iHOT-12) at 1-year follow-up of Hip Preservation Surgery.

Kivlan BR, Martin RL, Christoforetti JJ, Wolff AB, Nho SJ, Salvo JP, Ellis TJ, Van Thiel G, Matsuda DK, Carreira DS.

International Society of Hip Arthroscopy Meeting; Melbourne, Australia;
October, 2018. (*competitive review*)

Mechanism of Ligamentum Teres Injuries in Femoroacetabular Impingement: A Cadaver Study

McGovern R, **Kivlan BR**, Martin RL, Martin HD.

International Society of Hip Arthroscopy Meeting; Santiago, Chile;
October, 2017. (*competitive review*)

Evidence Based Procedures for Performing the Single Leg Squat Test and Step Down Test: A Systematic Review

McGovern RM, Martin RM, **Kivlan BR**, Christoforetti JJ

International Society of Hip Arthroscopy Meeting; Santiago, Chile;
October, 2017. (*competitive review*)

Defining Number of Anchor Fixation Points For Labrum Refixation: A Multi-center Prospective Cohort Analysis of Suture Anchor Fixation in Arthroscopic Hip Preserving Surgery

Christoforetti JJ, **Kivlan BR**, Wolff AB, Nho SJ, Salvo JP, Ellis TJ, Matsuda D, McGovern RM, Stubbs AJ, Carreira DS

International Society of Hip Arthroscopy Meeting; Santiago, Chile;
October, 2017. (*competitive review*)

Iliopsoas Pathology and Procedures from a Large Multicenter Hip Arthroscopy Study Group

Matsuda D, Nho SJ, Wolff AB, Salvo JP, Christoforetti JJ, Van Thiel GS, Stubbs AJ, **Kivlan BR**, Carreira DS

International Society of Hip Arthroscopy Meeting; Santiago, Chile;
October, 2017. (*competitive review*)

The radiographic crossover sign in dysplasia: Critical findings affecting arthroscopic surgical treatments

Matsuda D, Nho SJ, Wolff AB, Salvo JP, Christoforetti JJ, Van Thiel GS, Stubbs AJ, **Kivlan BR**, Carreira DS

International Society of Hip Arthroscopy Meeting; Santiago, Chile;
October, 2017. (*competitive review*)

An Analysis of Variability in Surgical Treatments in Hip Arthroscopy

Carreira DS, Nho SJ, Wolff AB, Salvo JP, Matsuda D, Ellis TJ, Christoforetti JJ, Van Thiel GS, **Kivlan BR**

Arthroscopy Association of North American Annual Meeting; Denver, CO; May, 2017
(*competitive review*)

Also presented at: American Academy of Orthopedic Surgeon Annual Meeting
San Diego, CA; March, 2017 (*competitive review*)

Dysplasia: Prevalence, associated findings, and procedures from large multi-center study.

Matsuda D, Nho SJ, Wolff AB, Salvo JP, Christoforetti JJ, Van Thiel GS, Stubbs AJ, **Kivlan BR**, Carreira DS

International Congress for Joint Reconstruction; 3rd Annual Pan Pacific Orthopedic Congress. August, 2016 (*competitive review*)

Also presented at: American Academy of Orthopedic Surgeon Annual Meeting
San Diego, CA; March, 2017 (*competitive review*)

Patterns of Sports Participation in Adolescents Requiring Arthroscopic Hip Preservation Surgery: Does Sport Type Matter?

Christoforetti JJ, Wolff AB, Nho SJ, Salvo JP, Ellis TJ, Matsuda D, McGovern RM, Stubbs AJ, **Kivlan BR**, Carreira DS.

International Society of Hip Arthroscopy Annual Scientific Meeting; September, 2016
(*competitive review*)

Also presented at: International Congress for Joint Reconstruction; 3rd Annual Pan Pacific Orthopedic Congress; August, 2016 (*competitive review*)

Gender Patterns in Sports Participation among Athletes Undergoing Arthroscopic Hip Preserving Surgery: Does the ACL Teach Us Anything?

Christoforetti JJ, Wolff AB, Nho SJ, Salvo JP, Ellis TJ, Matsuda D, McGovern RM, Stubbs AJ, **Kivlan BR**, Carreira DS

International Society of Hip Arthroscopy Annual Scientific Meeting; September, 2016
(*competitive review*)

Also presented at: International Congress for Joint Reconstruction; 3rd Annual Pan Pacific Orthopedic Congress; August, 2016 (*competitive review*)

Sex-Dependent Differences in Patients Undergoing Hip Arthroscopy: Prospective Comparison Of Preoperative, Radiographic, and Intraoperative Data From A Large Multicenter Cohort Study (MASH Study Group).

Salvo JP, **Kivlan BR**, Nho SJ, Wolff AB, Christoforetti JJ, Van Thiel GS, Matsuda D, Wowkanach G, Carreira DS.

International Congress for Joint Reconstruction; 3rd Annual Pan Pacific Orthopedic Congress. August, 2016 (*competitive review*)

Also presented at: American Academy of Orthopedic Surgeon Annual Meeting
San Diego, CA; March, 2017

A Cadaveric Study of the Dynamic Internal Rotation Impingement (DIRI) and Dynamic External Rotation Impingement (DEXRI) Tests.

Martin RL, **Kivlan BR**, Martin HD

16th Biennial Congress of South African Sports Medicine Association. Johannesburg, South Africa; October 2015. (*competitive review*)

Evaluation of a Perioperative Protocol for Hip Arthroscopy.

Sauber R, Saborio G, Nickel B, **Kivlan BR**, Christoforetti JJ.

International Society of Hip Arthroscopy, Annual Scientific Meeting; Cambridge, England. September, 2015 (*competitive review*)

Presentations before July 1, 2015 (appointment as Assistant Professor)

Greater Trochanter-Ischial Impingement: A Potential Source of Posterior Hip Pain.

Kivlan BR, Martin RL, Martin HD.

International Society of Hip Arthroscopy, Annual Scientific Meeting; Rio de Janeiro, Brazil; October, 2014 (*competitive review*)

Ischiofemoral Impingement: Defining the Ischial-Lesser Trochanteric Space

Kivlan BR, Martin RL, Martin HD

International Society of Hip Arthroscopy, Annual Scientific Meeting.
Rio de Janeiro, Brazil; October, 2014 (*competitive review*)

Functional Testing for Hip Dysfunction in the Performing Arts

Kivlan BR, Carcia CR, Clemente FR, Phelps AL, Martin RL

International Society of Hip Arthroscopy, Annual Scientific Meeting.
Boston, USA; October, 2012 (*competitive review*)

*Safety of outpatient hip arthroscopy as compared to inpatient admission:
a prospective cohort study of the first 100 operative arthroscopies for a fellowship trained hip arthroscopist*

Sauber R, Saborio G, Nickel B, **Kivlan BR**, Christoforetti JJ
International Society of Hip Arthroscopy, Annual Scientific Meeting; Boston, USA.
October, 2012 (*competitive review*)

Anatomical Model for Function of the Ligamentum Teres

Kivlan BR, Clemente FR, Martin RL, Martin HD.
International Society of Hip Arthroscopy, Annual Scientific Meeting.
Paris, France; October, 2011 (*competitive review*)

*Response to Diagnostic Injection in Patients with Femoroacetabular Impingement, Labral Tears,
Chondral Lesions, and Extra-Articular Pathologies.*

Kivlan BR, Martin RL, Sekiya J
Arthroscopy Association of North America, Annual Meeting,
San Francisco, CA. April, 2011(*competitive review*)

2. National Forum

Multi-center analysis of Sports-Related Outcomes of Adolescents following Hip Preservation Surgery

Kivlan BR, Martin RL, Christoforetti JJ, Wolff AB, Nho SJ, Salvo JP, Ellis TJ, Van Thiel G, Matsuda DK, Carreira DS.
AANA Annual Meeting; Grapevine, Texas
(Presented electronically due to COVID-19 Pandemic)
May 2020. (*competitive review*)

Across the Spectrum From Borderline Dysplasia to Global Pincer Impingement: Arthroscopic Outcomes

Carreira DS, Matsuda DK, Kivlan BR, Nho SJ, Wolff AB, Salvo JP, Christoforetti JJ, Ellis TJ.
AANA Annual Meeting; Grapevine, Texas
May 2020. (*competitive review*)

Borderline Dysplasia with Acetabular Retroversion: Key Findings from a Large Hip Arthroscopy Study Group

Matsuda DK, Kivlan BR, Nho SJ, Wolff AB, Salvo JP, Christoforetti JJ, Ellis TJ, Carreira DS.
AOSSM 2020 Program; Seattle, WA
July 2020 (*competitive review*)

Iliopsoas pathology, treatment, and outcomes in patients undergoing hip arthroscopy for femoroacetabular impingement: Findings from the [redacted] study group.

Matsuda DK, Kivlan BR, Nho SJ, Wolff AB, Salvo JP, Christoforetti JJ, Ellis TJ, Carreira DS.
AOSSM 2020 Program; Seattle, WA
July 2020 (*competitive review*)

Movement-System Based Treatment Classification for the Hip Region

Kivlan BR, Martin RL, Carroll L, McGovern RM
American Physical Therapy Association - Combined Sections Meeting
Denver CO; February, 2020 (*national forum/ competitive review*)

Clinical Practice Guidelines for Ankle Instability

Kivlan BR

American Physical Therapy Association - Combined Sections Meeting
Denver CO; February, 2020 (*national forum/ competitive review*)

Rehabilitation of Deep Gluteal Syndrome

Kivlan BR

2nd Annual UPMC Hip Preservation Program Conference Pittsburgh, PA
May 11, 2019 (Invited)

The Hip-Spine Connection: Exploring the Relationship of the Lumbosacral Spine and the Hip Joint for Comprehensive Evaluation and Treatment

Kivlan BR

PT/OT Directors Conference. Chicago, IL. September 2018 (Invited)
American Physical Therapy Association - Combined Sections Meeting
Washington DC; February, 2019 (*national forum/ competitive review*)

The GoPro HERO4: An Innovative Teaching Tool for Clinical Anatomy

Calhoun B, **Kivlan BR**

Physician Assistant Educational Forum in Denver, CO
October, 2017 (*national forum/ competitive review*)

Hip Instability: Mechanisms and Management of the Unstable Hip

Kivlan BR, Martin RL, Martin HD.

American Physical Therapy Association - Combined Sections Meeting
San Antonio, TX; February, 2017 (*national forum/ competitive review*)

Length Change of the Hip External Rotators in Common Stretch Positions

McGovern RM, Martin RM, **Kivlan BR**, Christoforetti JJ

American Physical Therapy Association - Combined Sections Meeting
San Antonio, TX; February, 2017 (*national forum/ competitive review*)

Hip Pain Beyond Femoroacetabular Impingement and Labral Tears.

Kivlan BR, Martin RL, Martin HD.

American Physical Therapy Association - Combined Sections Meeting
Anaheim, CA. February, 2016 (*national forum/ competitive review*)

Validity of Dynamic Impingement Testing for Determining the Location of Labral Pathology.

Kivlan BR, Martin RL, Martin HD.

American Physical Therapy Association - Combined Sections Meeting,
Anaheim, CA. February, 2016 (*national forum/ competitive review*)

Neuro Principles of Orthopedic Rehabilitation

Kivlan BR

PT/OT Directors Conference. Chicago, IL. October, 2016 (Invited)

Building an Evidence Based Practice

Kivlan BR

PT/OT Directors Conference. Chicago, IL. October, 2015 (Invited)

Presentations before July 1, 2015 (appointment as Assistant Professor)

The Effect of Astym Treatment on Muscle Performance: A Randomized, Blinded, Clinically-Controlled Trial.

Kivlan BR, Carcia CR, Clemente FR, Phelps AL, Martin RL

American Physical Therapy Association - Combined Sections Meeting
Indianapolis, IN February, 2015 (*national forum/ competitive review*)

Comparison of hop test performance of dancers with and without femoroacetabular impingement

Kivlan BR, Carcia CR, Clemente FR, Phelps AL, Martin RL
American Physical Therapy Association - Combined Sections Meeting
Las Vegas, AZ. February, 2014. (*national forum/ competitive review*)

Function and Clinical Relevance of the Ligamentum Teres

Kivlan BR, Clemente FR, Martin RL, Martin HD.
American Physical Therapy Association - Combined Sections Meeting,
Chicago, IL. February, 2012. (*national forum/ competitive review*)

Response to Diagnostic Injection in Patients with Femoroacetabular Impingement, Labral Tears, Chondral Lesions, and Extra-Articular Pathologies

Kivlan BR, Martin RL, Sekiya J
American Physical Therapy Association - Combined Sections Meeting
New Orleans, LA. February, 2011. (*national forum/ competitive review*)

Responsiveness of the Foot and Ankle Ability Measure in Individuals with Diabetes.

Martin RL, **Kivlan BR**, Wukich D
American Physical Therapy Association - Combined Sections Meeting
New Orleans, LA. February, 2011. (*national forum/ competitive review*)

Management of a HAGL lesion in the skeletally immature patient.

Kivlan BR
American Physical Therapy Association Combined Sections Meeting
San Diego, CA. February, 2006 (*national forum/ competitive review*)

The importance of CORE training after ACL graft rejection.

Kivlan BR
American Physical Therapy Association - Combined Sections Meeting
New Orleans, LA; February, 2005(*national forum/ competitive review*)

F. Works in Progress

1. Submitted Manuscripts Awaiting Decisions

Hannah D, **Kivlan B**, Scibek J. The Relationship Between Humeral Retroversion and Glenoid Orientation: A Cadaveric Study. (In review)

2. **Research Agenda:** My goals are to provide meaningful clinical research that encompasses an improved understanding of pathomechanics of hip dysfunction, assessment of non-arthritic hip conditions, treatment of methods to improve muscular and functional performance of the lower extremity, and outcomes related to surgical and non-surgical interventions of hip dysfunction. Specifically, I am engaged in research to define pathomechanics of injury and dysfunction of the hip region, mechanisms of internal and external impingement syndromes of the hip region, post-surgical outcomes following hip arthroscopy, as well as the effective and efficient evaluation of hip disorders

3. Ongoing Projects

Multi-Center Arthroscopic Study of the Hip (MASH) Outcomes Research Network

Goals: The goal of this project is to initiate and complete multi-center research projects related to evaluating, managing, and assessing treatment outcomes for individuals with musculoskeletal hip pain. This group is comprised of 10 orthopaedic surgeons from across the country who have skilled in the techniques in hip arthroscopy. I was invited to be a member of this elite group and represent perspectives from the physical therapy profession and to use my research background to serve as the research coordinator. In service to this group, I manage data compliance, oversee data queries, help design research projects, perform data analysis, perform grant writing, manuscript preparation, and submission to peer-reviewed journals and professional meetings.

Work Completed Toward Goals: We have looked at differences in hip pathology according to gender as well as variability in surgical management among surgeons.

Anticipated Duration of Research Study: Ongoing

G. Honors and Awards Related to Scholarship

Dean's Award for Faculty Excellence in Scholarship; Duquesne University, Rangos School of Health Sciences, May 2018

IV. Service

A. University, School or Department Service

1. University

Safety Committee, Rangos School of Health Sciences representative
July 2013 – Present
Role: Committee Member

2. School

Anatomy Committee:
July 2016 –Present
Role: Chairperson

Student Standing Committee:
July 2013 – June 2015
Role: Committee Member

Athletic Training Search Committee:
May 2015
Role: Committee Member

Athletic Training Search Committee
November 2015 – January 2016
Role: Committee Member

3. Department

Matriculation Committee
July 2016 – Present
Role: Committee Member

Curriculum Committee
July 2013- Present

Role: Committee Member

Re-Appointment Committee

November 2018

Role: Committee Member

Post-Professional Continuing Education Course

Differential Diagnosis, Evaluation, and Management of Shoulder Pain.

December 7-8, 2013

Role: Instructor

Post-Professional Continuing Education Course

Differential Diagnosis, Evaluation, and Management of Lumbopelvic, Abdominal, and Hip Pain.

December 1-2, 2012

Role: Instructor

B. Professional

Post-Professional Continuing Education Course Instructor

Clinical Anatomy of the Hip Region

September 17, 2016

Post-Professional Continuing Education Course Instructor

Clinical Anatomy of the Knee Region

October 1, 2016

Post-Professional Continuing Education Course Instructor

Clinical Anatomy of the Foot/Ankle Region

October 15, 2016

Post-Professional Continuing Education Course Instructor

Clinical Anatomy of the Shoulder Region

November 5, 2016

Research Coordinator

Multicenter Arthroscopic Study of the Hip (MASH)

January, 2016 - Present

Research Coordinator

ASTYM, Performance Dynamics

January, 2012 – Present

Consultant

PT Management Services

January 2014 – Present

Editorial Advisory Group

Physical Therapy Magazine (PT in Motion); July 2007- Present.

Journal Manuscript Reviewer

Archives of Physical Medicine and Rehabilitation; September 2015 – Present.

Clinical Anatomy; June 2011 – Present

Journal of Athletic Training; Fall 2008 – Present

Scientific Programming Abstract Reviewer
Orthopaedic Section of the American Physical Therapy Association
Combined Sections Meeting; April 2016 - present

Course Instructor - *Differential Diagnosis, Evaluation, and Management of the Shoulder Complex.*
PT Management Systems
November, 2015

Professional Service prior to July 1, 2015 (appointment to Assistant Professor)
Course Instructor - *Differential Diagnosis, Evaluation, and Management of the Hip Complex.*
PT Management Systems
March, 2014

Specialization Academy of Content Experts
American Board of Physical Therapy Specialties - Sports
February 2004 – 2006.

Editor and Author
Physical Therapy Report
September 2002 – March 2003.

Council of Sports Specialists for Certification Examination Cut-Score.
American Board of Physical Therapy Specialties - Sports
May, 2001.

Contributing Editor – Patient Information Pamphlets
The Staywell Company
Yardley, PA.
December 2001 – December 2002.

C. Community Service

Anatomy Laboratory Orientation (High Schools)
May 2014 – Present
Residence Life Educational Program
Exercises to Improve your Daily Life
March 27, 2017.

Juvenile Diabetes Research Foundation
Walk for a Cure
October 2016 - Present