

**Andrew D. Lynch, PT, PhD**  
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## EDUCATION and TRAINING

**Mentored Career Training Program** **2015 - 2017**

**Comprehensive Opportunities in Rehabilitation Research Training Career Development Program**

NIH K12 Trainee (Program Director: Michael Muller, PT, PhD, FAPTA)

K12 Primary Mentor – Anthony Delitto, PT, PhD, FAPTA

**Combined Doctor of Physical Therapy and Doctor of Philosophy Degree Program**

NIH T32 trainee (Program Director: Binder-Macleod, PT, PhD, FAPTA) as a clinician-scientist

**PhD in Biomechanics and Movement Science**

**2012**

Concentration – Applied Anatomy and Biomechanics

University of Delaware, Biomechanics and Movement Science Program

*Dissertation Topic - “Targeting Neuromuscular Deficits and Maximizing Success after ACL Rupture in Athletes”*

*Dissertation Mentor – Lynn Snyder-Mackler, PT, ScD, FAPTA*

**Doctor of Physical Therapy**

**2008**

University of Delaware, Department of Physical Therapy

**Honors Bachelor of Science in Exercise Science**

**2006**

University of Delaware, Department of Kinesiology and Applied Physiology

## POSITIONS

### RESEARCH ASSISTANT PROFESSOR

**University of Pittsburgh, Department of Physical Therapy**

**May 2014 to Present**

- Creating a patient-decision aid for individuals with anterior cruciate ligament injury to engage patients in a shared decision making approach to selecting treatment. The methods to inform the decision aid include patient interviews, clinician focus groups, and a literature review. This work is funded by the CORRT K12 Training Program.
- Conducting qualitative analysis of content coverage and gaps to measure the function of high level athletes in the Activity Measure for Post-Acute Care Basic Mobility Domain in comparison to legacy patient reported outcome measures to improve measurement precision. This work includes creating items relevant to high demand activities and is funded through the Boston Rehabilitation Outcomes Center.
- Validating a variety of clinical measures of quadriceps strength compared to gold standard isometric dynamometry to improve clinical decision making in the general outpatient setting
  - Mentoring DPT students through research experiences in assessing the single session reliability of hand-held dynamometry for measuring quadriceps strength.
- Completing a Certificate in Clinical Research Training through the Institute for Clinical Research Education at the University of Pittsburgh including training in biostatistics, research design, qualitative methods and cost-effectiveness analysis.
- Developing interACTION, a mobile rehabilitation technology to administer home exercise programs for individuals with remote monitoring of performance using inertial motion sensors in an interdisciplinary team including orthopaedic surgeons, engineers, and physical therapists. Additional activities include collaboration with an undergraduate bioengineering senior design team to create an inexpensive mobile force measuring device to augment the existing system.
  - Pittsburgh Innovation Challenge (PInCh) Award Winner 2014 (\$100,000, PI: McClincy)
  - Coulter Foundation at Pitt Award Winner 2014 (\$100,000, PI: Bell)

## POST-DOCTORAL ASSOCIATE

### University of Pittsburgh, Department of Orthopaedic Surgery

#### Division of Sports Medicine

December 2012 – May 2014

- Analyzing psychometric properties for validation of Computer Adaptive Test Technology for the NIH Roadmap Initiative Patient Reported Outcomes Measurement Information System
  - Coordinated web-based data collection for reliability and responsiveness
  - Completed cognitive interviews to understand patient interpretation of items included in the physical function and pain interference item banks leading to item revision to improve clarity
- Collaborated with surgeons and primary care sports medicine physicians to follow longitudinal patient cohorts with anterior cruciate ligament injuries and degenerative meniscus lesions by routinely collecting validated patient reported outcomes in clinical practice
- Mentored American and International Orthopaedic Surgeons and Physicians during fellowship research projects concerning outcomes and assessment in orthopaedics and sports medicine.

#### Cartilage Restoration Center

March – December 2012

- Developed a relational database of 6 years of NIH funded data for efficient and reliable analysis
- Collaborated with surgeons and clinical coordinators in a multi-center feasibility study design for biospecimen banking and analysis in the attempted prevention of post-traumatic osteoarthritis

## PHD STUDENT, RESEARCH ASSISTANT, AND PROJECT COORDINATOR

### University of Delaware

2007 - 2012

- Managed an international cohort study of the natural course of operative & non-operative treatment of ACL tears, with a focus on the effects of individualized neuromuscular training in attempted non-operative treatment
- Executed 2 web-based investigations of clinicians concerning practice patterns in knee injuries
- Published in peer-reviewed journals and presented at national and international meetings

## PHYSICAL THERAPIST

### University of Pittsburgh Medical Center & UPMC Centers for Rehab Services

- **Physical Therapist**, UPMC Center for Sports Medicine October 2012 to Present
  - Evaluation and treatment of patients with orthopedic and sports related injuries in a high volume outpatient clinic with an emphasis on continuing re-evaluation and progression of therapeutic programs to return patients to full functioning in their daily and athletic pursuits
  - Served as a mentor for the UPMC Centers for Rehab Services Orthopaedic and Sports Physical Therapy Residents during their 15 month APTA Credentialed Residency.
- **Physical Therapist**, UPMC Shadyside Hospital April 2012 to December 2013
  - Evaluation and treatment of patients in the acute post-operative phase after orthopaedic surgeries including primary and revision total joint arthroplasty and device removal.

### University of Delaware Physical Therapy Clinic

2009 to 2012

- **Physical Therapist**, UD Sports & Orthopedic Clinic and UD Neurologic & Older Adult PT Clinic
  - Assessed and treated patients with sports, orthopedic, neurologic, and geriatric diagnoses with mentorship from APTA Board Certified Clinical Specialists in an outpatient setting
  - Mentored DPT students in assessing and treating patients

## TEACHING EXPERIENCE

### University of Pittsburgh, Department of Physical Therapy

Evidence Based Practice Series – PT 2072, PT 2075	Teaching Assistant	2014 to Present
Musculoskeletal Series – PT 2031, PT 2032	Instructor	2014 to Present
Clinical Biomechanics – PT2035	Instructor	2015 to Present
Kinesiology and Introduction to Therapeutic Exercise – PT2029	Instructor	2015 to Present
	Course Coordinator	2016 to Present

## Duquesne University, Department of Physical Therapy

Evidence Based Practice

Instructor

Summer 2014

## University of Delaware, Department of Physical Therapy

Medical Science II - Orthopedics

Coordinator

2009 - 2011

Basic Evaluation Techniques

Teaching Assistant

2009 - 2010

## INDEPENDENT RESEARCH SUPPORT

Comprehensive Opportunities in Rehabilitation Research Training K12 Career Development Program 2015-2017

### *Creating a Patient Decision Aid for Individuals after Anterior Cruciate Ligament Injury*

The purpose of this project is to develop a patient centered decision aid to standardize medical education of individuals after anterior cruciate ligament injury and to promote values clarification for that individual. Ultimately, the well-educated individual who is clear on their values and preferences for treatment will engage in a shared-decision making approach to choosing a treatment option with their provider.

(Lynch, Mentors: Delitto, Piva, Rubio, Zickmund, Greco) Role: Trainee and Principal Investigator (\$194,000)

Boston Rehabilitation Outcomes Center Pilot Project 2014

### *Content Analysis and Refinement of the AM-PAC Basic Mobility Domain Item Bank for Computer Adaptive Testing*

The purpose of this project is to enhance the capability of the Activity Measure for Post-Acute Care (AM-PAC) Basic Mobility Domain Computer Adaptive Test (CAT) to precisely and accurately measure highly functioning patients after lower extremity injury or surgery by ensuring content coverage in the item bank and item clarity.

(Lynch, Irrgang) Role: Principal Investigator (\$30,000)

Sports Physical Therapy Section of the American Physical Therapy Assoc, Legacy Fund Grant 2010

### *Neuromuscular Retraining After Anterior Cruciate Ligament Injury – Mechanism Validation for Clinical and Biomechanical Improvements*

The goal of this project is to examine the mechanisms behind gait and functional performance changes that occur with selective neuromuscular perturbation training.

(Lynch, MacLeod, Snyder-Mackler) Role: Principal Investigator (\$5000)

## OTHER RESEARCH SUPPORT

United States Department of Defense, Congressionally Directed Medical Research Program, Peer-Reviewed Orthopaedic Research Program – Clinical Trial Planning Grant

### *Timing of Surgery and Rehabilitation to Optimize Outcome for Patients with Multiple Ligament Knee Injuries: A Multicenter Clinical Trial*

The purpose of this project is to plan the conduct of a 16 site, multi-center randomized clinical trial to investigate the effect of early versus delayed surgery and rehabilitation for individuals after multiple ligament knee injuries.

The outcomes of interest are ability to return to work, duty, and sports; patient-reported symptoms and function.

PI: Irrgang; Role: Co-Investigator – Chair: Rehabilitation Committee

American Academy of Orthopaedic Surgery Board of Specialty Societies – Quality and Patient Safety Action Fund

### *Evaluate and Update the IKDC Subjective Knee Form*

The purpose of this project is to evaluate the current IKDC Subject Knee Form to investigate its ability to be implemented as a computer adaptive test. This will include qualitative cognitive interviews with individuals with knee joint impairments to identify issues with item understanding and clarity.

PI: Irrgang, Role: Co-Investigator

# PUBLICATIONS

## Manuscripts

1. Yabroudi MA, Bjornsson H, **Lynch AD**, Muller B, Samuelsson K, Tarabichi M, Karlsson J, Fu FH, Irrgang JJ. Predictors of Revision Surgery After Primary Anterior Cruciate Ligament Reconstruction. *Orthopedic Journal of Sports Medicine*. (Accepted)
2. **Lynch AD**, Dodds NE, Yu L, Pilkonis PA, Irrgang JJ. Individuals with Knee Impairments Identify Items in Need of Clarification in the Patient Reported Outcome Measurement Information System Pain Interference and Physical Function Item Banks - Results from Cognitive Interviews. *Health and Quality of Life Outcomes*. 2016; 14:77.
3. Mueller B, Yabroudi MA, **Lynch AD**, Lai CL, van Dijk CN, Fu FH, Irrgang JJ. Defining Thresholds for the Patient Acceptable Symptom State for the International Knee Documentation Committee (IKDC) Subjective Knee Form and Knee Injury and Osteoarthritis Outcome Score (KOOS) for Patients that Underwent ACL Reconstruction. *American Journal of Sports Medicine*. 2016; 44(11).
4. Bove AM, **Lynch AD**, DePaul S, Terhorst L, Irrgang JJ, Fitzgerald GK. Test-Retest Reliability of Ratings of Perceived Exertion and Agreement with 1-Repetition Maximum in Adults. *Journal of Orthopaedic & Sports Physical Therapy*. (In Press)
5. Joreitz RJ, **Lynch AD**, Rabuck SJ, Lynch BN, Davin S, Irrgang JJ. Patient-Specific and Surgery-Specific Factors That Affect Return to Sport After ACL Reconstruction. *International Journal of Sports Physical Therapy*. 2016; 11(2).
6. Logerstedt DS, Arundale AM, **Lynch AD**, Snyder-Mackler L. A Conceptual Framework for a Sports Knee Injury Performance Profile and Return to Activity Criteria. *Brazilian Journal of Physical Therapy*. 2015; 19(5).
7. Logerstedt DS, Di Stasi SL, Grindem H, **Lynch AD**, Eitzen I, Engebretsen L, Risberg MA, Axe MJ, Snyder-Mackler L. Self-Reported Knee Function Can Identify Athletes Who Fail Return-to-Activity Criteria up to 1 Year After Anterior Cruciate Ligament Reconstruction: A Delaware-Oslo ACL Cohort Study. *Journal of Orthopaedic & Sports Physical Therapy* 2014; 44(12): 914-923.
8. Ma Y, Murawski CD, Azar AAR, Maldjian C, **Lynch AD**, Fu FH. Graft Maturity of the reconstructed anterior cruciate ligament 6 months postoperatively: a magnetic resonance imaging evaluation of quadriceps tendon with bone block and hamstring tendon autografts. *Knee Surgery, Sports Traumatology and Arthroscopy*. 2014; Epub September 2014.
9. Hartigan EH, **Lynch AD**, Logerstedt DS, Chmielewski TL, Snyder-Mackler L. Kinesiophobia After Anterior Cruciate Ligament Rupture And Reconstruction: Noncopers Versus Potential Copers. *Journal of Orthopaedic & Sports Physical Therapy* 2013; 43(11): 821-832.
10. **Lynch AD**, Logerstedt DS, Grindem H, Eitzen I, Hicks G, Axe MJ, Engebretsen L, Risberg MA, Snyder-Mackler L. Consensus criteria for defining 'successful outcome' after ACL injury and reconstruction: a Delaware-Oslo ACL cohort investigation. *British Journal of Sports Medicine* 2013; <http://dx.doi.org/10.1136/bjsports-2013-092299>
11. Logerstedt DS, **Lynch AD**, Axe MJ, Snyder-Mackler L. Pre-operative quadriceps strength predicts IKDC2000 scores 6 months after anterior cruciate ligament reconstruction. *The Knee* 2013; 20(3): 208-212.
12. Logerstedt DS, **Lynch AD**, Axe MJ, Snyder-Mackler L. Symmetry restoration and functional recovery before and after ACL reconstruction. *Knee Surgery, Sports Traumatology and Arthroscopy*. 2013; 21(4): 859-868.
13. Logerstedt DS, Grindem H, **Lynch AD**, Snyder-Mackler L, Risberg MA, Axe MJ, Engebretsen L. Single-legged hop tests as predictors of self-reported knee function after ACL reconstruction. *American Journal of Sports Medicine* 2012; 40(10): 2348-2356
14. **Lynch AD**, Logerstedt DS, Axe MJ, Snyder-Mackler L. Quadriceps activation failure after anterior cruciate ligament rupture is not mediated by knee joint effusion. *Journal of Orthopaedic & Sports Physical Therapy* 2012;42(6):502-510

## Publications – Book Chapters

1. **Lynch AD**, Cummer K, Joreitz RE. *Rehabilitation after ACL Reconstruction* in Nakamura N, Marx R, Musahl V, Zaffagnini S (eds.). *Controversies in ACL Reconstruction: An Evidence Based Approach*. Springer Publishing 2016.
2. Joreitz RE, **Lynch AD**, Harner CD, Fu FH, Irrgang JJ. *Criterion Based Approach for Returning to Sport After ACL Reconstruction* in Karlsson J, Kuroda, Musahl V, Zaffagnini S (eds.). *Rotatory instability of the knee: An evidence based approach*. Springer Publishing 2016.

3. **Lynch AD**, Werner S, Snyder-Mackler L. *Non-operative treatment of patellofemoral pain: role of PT* in Zaffagnini S, DeJour D, Arendt E (eds.). *Patellofemoral Pain, Instability and Arthritis*. Springer Publishing 2010.
4. **Lynch AD**, Snyder-Mackler L. *Post-operative management of surgeries aimed at correcting patellofemoral instability: results of an international surgeon survey* in Zaffagnini S, DeJour D, Arendt E (eds.). *Patellofemoral Pain, Instability and Arthritis*. Springer Publishing 2010.

## Peer Reviewed Abstracts and Presentations

1. **Lynch AD**, Zhang C, Irrgang JJ. Reliability and Responsiveness of the Single Assessment Numeric Evaluation in individuals after Anterior Cruciate Ligament Reconstruction. ESSKA Bi-Annual Congress, Barcelona, Spain. 2016 (accepted).
2. Failla MJ, Wellsandt L, **Lynch AD**, Snyder-Mackler L. Does functional performance of the uninvolved limb before and after ACLR differ in operatively and non-operatively managed athletes? APTA Combined Sections Meeting, Anaheim, CA 2016 (accepted).
3. **Lynch AD**, Popchak AJ, Irrgang JJ. Activities Important to Athletes are not Represented in the Activity Measure for Postacute Care Basic Mobility Item Bank. APTA Combined Sections Meeting, Anaheim, CA 2016 (accepted).
4. **Lynch AD**, Sinacore JA, Evans A, Patterson B, Joreitz RJ, Irrgang JJ. Comparison of Clinical Quadriceps Strength Tests to Isometric Dynamometry to Identify Clinically Meaningful Deficits in Quadriceps Strength. 10<sup>th</sup> Biennial ISAKOS Congress. Lyon, France 2015.
5. **Lynch AD**, Dodds N, Yu L, Pilkonis P, Irrgang JJ. Content Analysis of the Patient Reported Outcome Measurement Information System (PROMIS) Pain Interference and Physical Function Item Banks for Individuals with Knee Joint Conditions. APTA Combined Sections Meeting. Indianapolis, IN 2015.
6. **Lynch AD**, Joreitz RJ, Patterson B, Evans A, Sinacore JA, Irrgang JJ. Comparison of One-Repetition Maximum Leg Extension and Leg Press to Isometric Dynamometry to Identify Clinically Meaningful Deficits in Quadriceps Strength. APTA Combined Sections Meeting. Indianapolis, IN 2015.
7. Evans A, Sinacore JA, Irrgang JJ, **Lynch AD**. Intra-session reliability and concurrent validity of a hand-held dynamometer for assessment of quadriceps strength. APTA Combined Sections Meeting. Indianapolis, IN 2015.
8. Mueller B, Yabroudi MA, Lai CL, **Lynch AD**, Harner CD, van Dijk CN, Fu FH, Irrgang JJ. *Defining Thresholds for the Patient Acceptable Symptom State for the IKDC Subjective Knee Form and KOOS for Patients Undergoing ACL Reconstruction*. *Knee Surgery, Sports Traumatology and Arthroscopy*. 2014; 22 (Suppl 1):S110–S406.
9. Mueller B, **Lynch AD**, Yabroudi MA, Lai CL, Harner CD, van Dijk CN, Fu FH, Irrgang JJ. *Prediction of Return to Preinjury Sports Following ACL Reconstruction*. *Knee Surgery, Sports Traumatology and Arthroscopy*. 2014; 22 (Suppl 1):S110–S406.
10. Failla M, Logerstedt DS, **Lynch AD**, Snyder-Mackler L. *Functional Profile 6 Months After ACLR: Those Who Went on to Re-injury Versus Those Who Did Not*. *Journal of Orthopaedic & Sports Physical Therapy*. 2014; 44(1): A49.
11. Yabroudi MA, Muller B, Lai CL, **Lynch AD**, Oostdyk A, Fu FH, Harner CD, Irrgang JJ. *Return to Pre-Injury Level of Sports after Anterior Cruciate Ligament (ACL) Reconstruction*. *Journal of Orthopaedic & Sports Physical Therapy*. 2014; 44(1): A182.
12. Yabroudi MA, Muller B, Lai CL, **Lynch AD**, Oostdyk A, Fu FH, Harner CD, Irrgang JJ. *Comparison of Two Methods to Measure Return to Sports After Anterior Cruciate Ligament (ACL) Reconstruction*. AOSSM Annual Meeting. Chicago, IL 2013.
13. Muller B, Yabroudi MA, Lai CL, **Lynch AD**, Harner CD, van Dijk CN, Fu FH, Irrgang JJ. *Defining Patient Acceptable Symptom State Thresholds for the IKDC Subjective Knee Form and KOOS for Patients Undergoing ACL Reconstruction*. *Orthopaedic Journal of Sports Medicine*. 2013; 1 (4 suppl).
14. **Lynch AD**, Logerstedt DS, Eitzen I, Grindem H, Axe MJ, Engebretsen L, Risberg MA, Snyder-Mackler L. *North American Physical Therapists Do Not Emphasize Patient Reported Outcomes in Determining Success after ACL Injury or Reconstruction*. *Journal of Orthopaedic & Sports Physical Therapy*. 2013; 43(1): A47.
15. **Lynch AD**, Logerstedt DS, Eitzen I, Grindem H, Axe MJ, Engebretsen L, Risberg MA, Snyder-Mackler L. *Professional Consensus Regarding Success After ACL Injury Does Not Correspond to Published Literature*. *Knee Surgery, Sports Traumatology and Arthroscopy*. 2012; 20 (Suppl 1):S5–S100.
16. **Lynch AD**, Logerstedt DS, Eitzen I, Grindem H, Axe MJ, Engebretsen L, Risberg MA, Snyder-Mackler L. *Continental Differences Exist Between Outcome Criteria Used to Determine Success after ACL Injury by Orthopedic Surgeons*. *Knee Surgery, Sports Traumatology and Arthroscopy*. 2012; 20 (Suppl 1):S101–S370.

17. Logerstedt D, Di Stasi S, **Lynch AD**, Axe M, Snyder-Mackler L. *Patient-reported knee function identified by return to sport criteria after ACL reconstruction*. Knee Surgery, Sports Traumatology and Arthroscopy. 2012; 20 (Suppl 1):S5–S100.
18. Logerstedt D, Di Stasi SL, **Lynch AD**, Axe MJ, Snyder-Mackler L. *Self-reported knee function detected by return-to-sport criteria after ACL reconstruction*. Journal of Orthopaedic & Sports Physical Therapy. 2012; 42(1): A56.
19. **Lynch AD**, Logerstedt DS, Axe MJ, Snyder-Mackler L. *Acute Classification of ACL Injured Knees Suggests Post-operative Outcomes*. Journal of Orthopaedic & Sports Physical Therapy. 2011; 41(1): A40-A41.
20. Logerstedt DS, **Lynch AD**, Axe MJ, Snyder-Mackler L. *Physical performance and self-report response to perturbation training in patients with acute anterior cruciate ligament injury*. Journal of Orthopaedic & Sports Physical Therapy. 2011; 41(1): A41-A42.
21. **Lynch AD**, Snyder-Mackler L. *Non-operative management of patellofemoral dislocation: results of a survey of members of the ESSKA Arthroscopy Committee*. Knee Surgery, Sports Traumatology and Arthroscopy. 2010; 18 (Suppl 1):S123–S339.
22. **Lynch AD**, Snyder-Mackler L. *Rehabilitation after surgery for recurrent lateral patellofemoral instability: results of a survey of members of the ESSKA Arthroscopy Committee*. Knee Surgery, Sports Traumatology and Arthroscopy. 2010; 18 (Suppl 1):S93–S122.
23. Logerstedt DS, **Lynch AD**, Axe MJ, Snyder-Mackler L. *Hop tests predict self-report of knee function at 6 and 12 months ACL reconstruction*. Knee Surgery, Sports Traumatology and Arthroscopy. 2010; 18 (Suppl 1):S83–S92.
24. Logerstedt DS, **Lynch AD**, Axe MJ, Snyder-Mackler L. *Quadriceps strength and hop function is symmetrical at 1 and 2 years following ACL reconstruction: A longitudinal study*. Knee Surgery, Sports Traumatology and Arthroscopy. 2010; 18 (Suppl 1):S83–S92.
25. **Lynch AD**, Logerstedt DS, Axe MJ, Snyder-Mackler L. *Functional comparison of ACL-injured patients treated non-operatively and post-operatively*. ACSM Annual Meeting. Baltimore, MD 2010.
26. Gandhi PS, Logerstedt D, **Lynch AD**, Axe M, Snyder-Mackler L. *Comparison of involved and uninvolved quadriceps strength before and after ACL reconstruction*. ACSM Annual Meeting. Baltimore, MD 2010.
27. Hartigan EH, **Lynch AD**, Logerstedt DS, Chmielewski TL, Snyder-Mackler L. *Non-copers have greater pain-related fear of re-injury after ACL rupture compared to potential copers*. Orthopaedic Research Society Annual Meeting. New Orleans, LA 2010.
28. Logerstedt DS, Lynch AD, Axe MJ. *The influence of quadriceps strength and knee function on self-report following 6-month ACLR*. Journal of Orthopaedic & Sports Physical Therapy. 2010; 40(1): A40.
29. **Lynch AD**, Logerstedt DS, Snyder-Mackler L. *The uninvolved limb as a comparison standard post-operatively in the ACL deficient knee*. Journal of Orthopaedic & Sports Physical Therapy. 2010; 40(1): A43.
30. **Lynch AD**, Di Stasi SL, Bartolozzi A, Snyder-Mackler L. *Repeated failure of the ACL and success of non-operative management in identical twins*. APTA Combined Sections Meeting. San Diego, CA 2010.
31. **Lynch AD**, Axe MJ, Snyder-Mackler L. *Abbreviated training regimen is still effective in producing improved functional test results in ACL deficient subjects*. ACSM 2009. Seattle, WA 2009.
32. **Lynch AD**, Axe MJ, Snyder-Mackler L. *The influence of strength, activation and laxity on functional hop test symmetry in ACL deficient subjects*. ORS Annual Meeting. Las Vegas, NV 2009.
33. **Lynch AD**, Axe MJ, Snyder-Mackler L. *The utility of objective measurements in return to sport decisions post ACLR*. Journal of Orthopaedic & Sports Physical Therapy. 2009; 39(1): A103
34. **Lynch AD**, Axe MJ, Snyder-Mackler L. *The influence of strength and activation on functional hop test symmetry in ACL deficient subjects*. Scandinavian Congress on Medicine and Science in Sport. Oslo, Norway 2008.
35. **Lynch AD**, Axe MJ, Risberg MA, Snyder-Mackler L. *Outcome comparisons of a perturbation training program in ACL deficient individuals*. Knee Surgery, Sports Traumatology and Arthroscopy. 2008; 16 (Suppl 1):S73–S79.
36. **Lynch AD**, Hartigan EH, Di Stasi SL, Snyder-Mackler L. *Six month outcome comparison of a potential copers and a non-coper*. ACSM Annual Meeting. Indianapolis, IN 2008.

## PROFESSIONAL SERVICE

### Manuscript Reviewer

- Journal of Orthopaedic & Sports Physical Therapy
- American Journal of Sports Medicine
- International Journal of Sports Physical Therapy

- Medicine and Science in Sports and Exercise
- Sports Health
- Journal of Athletic Training
- Journal of Applied Biomechanics

Member

- Journal of Orthopaedic & Sports Physical Therapy Strategic Planning Committee 2011 & 2014
- Knee Outcomes Work Group of the Orthopaedic Physical Therapy Section
- APTA Choosing Wisely Evidence Review Committee

## **PROFESSIONAL MEMBERSHIPS**

Member since 2006	American Physical Therapy Association Section Member: Orthopaedic Physical Therapy, Sports Physical Therapy, Research
Member 2006 - 2012	Delaware Physical Therapy Association
Member since 2012	Pennsylvania Physical Therapy Association
Member since 2007	American College of Sports Medicine

## **LICENSURE AND CERTIFICATION**

Pennsylvania Physical Therapy License with Direct Access Certification

Delaware Physical Therapy License

American Physical Therapy Association Credentialed Clinical Instructor

American Red Cross Certifications:

- Emergency First Responder; CPR/AED for the Professional Rescuer; Emergency Oxygen