CURRICULUM VITAE

Jonathan Chen Chiang Sum

August 26, 2026

I. BIOGRAPHICAL INFORMATION

PERSONAL INFORMATION:

University Office: Ostrow School of Dentistry
Address: Division of Biokinesiology and Physical Therapy
1540 E. Alcazar Street, CHP 155
Los Angeles, CA 90089-9006
Office: (323) 442-7388
Fax: (323) 442-1515
Email: sum@pt.usc.edu
Faculty Profile URL: https://pt.usc.edu/faculty/jonathan-sum-pt-dpt-ocs-scs/
Division URL: http://pt.usc.edu/

Clinic Address: USC Physical Therapy - HSC
1640 Marengo Street, ste. 102
Los Angeles, CA 90033
Office: (323) 865-1200
Fax: (323) 865-1258
Clinical Services URL: https://pt.usc.edu/patient-care/

UNIVERSITY EDUCATION:

2002-05 Doctor of Physical Therapy
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

1997-2001 Bachelors of Science, Kinesiology
Dornsife College of Letters, Arts, and Sciences
University of Southern California
Los Angeles, CA

OTHER PREVIOUS EMPLOYMENT:

8/07-12/07 Staff Physical Therapist
Fortanasce & Associates Physical Therapy

Arcadia, CA

6/05-2/06 Staff Physical Therapist
Physiotherapy Associates Scottsdale Sports Clinic
Scottsdale, AZ

BOARD CERTIFICATION AND/OR LICENSURE:

Specialty Certification:

8/10-present Board Certified Clinical Specialist, Sports Physical Therapy
Re-Certified, 2020
American Board of Physical Therapy Specialties
American Physical Therapy Association

8/08-present Board Certified Clinical Specialist, Orthopedic Physical Therapy
Re-Certified, 2018
American Board of Physical Therapy Specialties
American Physical Therapy Association

10/24-present Emergency Response for Athletes Certification
Division of Biokinesiology and Physical Therapy
University of Southern California

2002-present Basic Life Support for Healthcare Worker and CPR/AED Certification
American Heart Association

10/22-10/24 Emergency Response for Athletes Certification
Cogent Steps, LLC

10/19-present Personalized Blood Flow Restriction Certification
Owens Recovery Science

1/10-present APTA Credentialed Clinical Instructor
American Physical Therapy Association

12/09-10/22 Emergency Medical Response Certification
American Red Cross

2003-2014 Certified Strength and Conditioning Specialist
National Strength and Conditioning Association

State Licensure:

3/06-present Physical Therapist, PT 32686
Physical Therapy Board of California

5/05-8/06 Physical Therapist, #6854
Arizona State Board of Physical Therapy

ACADEMIC APPOINTMENTS:

5/21-present Associate Professor of Clinical Physical Therapy
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

3/13-5/21 Assistant Professor of Clinical Physical Therapy
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

2/06-3/13 Instructor of Clinical Physical Therapy
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

AFFILIATION APPOINTMENTS:

2/06-present Keck Medicine of USC Credential Provider, Physical Therapist

CONSULTANTSHIPS:

2022-present Rehabilitation Health/Rehab Prescribed
Development Team Member

2019 Theragun LLC
Provider Referral Network Member

2016-19 B1 Baseball Academy
Consultant

2015 Hygieia Medical Equipment LLC
Advisory Board Member

2007 G2 Fitness
Consultant

HONORS, AWARDS, FELLOWSHIPS:

2025 Clinician Non-Research Publication Award
Rehabilitation of Rotator Cuff Disorders: American Academy of

Orthopedic Surgeons, Nov 2022
California Physical Therapy Association

2025 Lynn Wallace Award for Excellence in Clinical Education and Professional Development
American Academy of Sports Physical Therapy
American Physical Therapy Association

2024 USC Excellence in Mentoring Award for Faculty Mentoring Graduate Students
Center for Excellence in Teaching
University of Southern California

2023 Fellow
American Society of Shoulder and Elbow Therapists

2018 Founders' Award
American Society of Shoulder and Elbow Therapists

2011-12 Evidence Based Practice Fellowship
Division of Biokinesiology and Physical Therapy
University of Southern California

2005 Outstanding Physical Therapy Student Award
APTA Orthopaedic
American Physical Therapy Association

2005 Minority Scholarship Award for Academic Excellence
American Physical Therapy Association

2005 Order of the Golden Cane Award:
Outstanding accomplishments in academic coursework, clinical practice, and scientific research
Division of Biokinesiology and Physical Therapy
University of Southern California

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

2023-present International Confederation of Scientific Societies for Shoulder and Elbow Therapy (ICSSSET)

2021-present American Baseball Biomechanics Society (ABBS)

2018-present European Society for Shoulder and Elbow Rehabilitation (EUSSER)

2010-present American Society of Shoulder and Elbow Therapists (ASSET)

2002-present	American Physical Therapy Association (APTA) San Gabriel Valley District, California Chapter (CPTA) APTA Orthopaedic (AOPT) American Academy of Sports Physical Therapy (AASPT) Shoulder Special Interest Group
2003-04, 2011	American Academy of Orthopedic Manual Physical Therapists (AAOMPT)
2004-11	National Strength and Conditioning Association (NSCA)
2007-08	Performing Arts Medical Association (PAMA)

II. ADMINISTRATIVE AND SERVICE ACTIVITIES

ADMINISTRATIVE APPOINTMENTS:

7/19-present	Director USC Physical Therapy Upper Extremity Athlete Fellowship* 2022-present: San Diego Padres 2019-20: Los Angeles Angels Division of Biokinesiology and Physical Therapy University of Southern California Los Angeles, CA *Accreditation from ABPTRFE granted in May 2023
1/10-5/20	Clinic Director USC Physical Therapy - HSC Los Angeles, CA
11/09-8/10	Interim Center Coordinator for Clinical Education USC Physical Therapy - HSC Los Angeles, CA
8/07-1/10	Volunteer Internship Program Coordinator USC Physical Therapy - HSC Los Angeles, CA

UNIVERSITY SERVICE:

Division:

10/26-present	Empowering Our People & Leadership Development Workgroup Member

9/26-present Chair, Awards Committee, Appointed
8/25-present Awards Committee Member, Appointed
Division of Biokinesiology and Physical Therapy
University of Southern California

8/25-present RTPC Appointments and Promotions Committee, Appointed
Division of Biokinesiology and Physical Therapy
University of Southern California

10/19-present Post Professional Physical Therapy Education Council
Division of Biokinesiology and Physical Therapy
University of Southern California

7/20-present Faculty Advisor
Asian Pacific Islander Student Affinity Group (APSAG)
Division of Biokinesiology and Physical Therapy
University of Southern California

10/25-9/26 Chair, Faculty Affairs Committee, Appointed
10/24-9/26 Faculty Affairs Committee, Elected
Division of Biokinesiology and Physical Therapy
University of Southern California

8/20-7/25 DARIC Student Support Subcommittee Member
Diversity, Anti-Racism, Inclusion, and Community Engagement
Division of Biokinesiology and Physical Therapy
University of Southern California

6/20-6/24 DPT Hybrid Development Committee
Division of Biokinesiology and Physical Therapy
University of Southern California

4/21-8/21 Equity, Diversity, Inclusion Curriculum Task Force
Division of Biokinesiology and Physical Therapy
University of Southern California

1/18-5/20 Division Level Management Team
Division of Biokinesiology and Physical Therapy
University of Southern California

1/12-5/20 Clinical Services Management Team
Division of Biokinesiology and Physical Therapy
University of Southern California

2012-14 Grateful Patient Program Steering Committee
Division of Biokinesiology and Physical Therapy
University of Southern California

8/06-9/14 Faculty Advisor, Gamma Epsilon Omega Fraternity
Department of Student Affairs, Office of Greek Life
University of Southern California

2004 Physical Therapy Multicultural Leadership Alliance
Division of Biokinesiology and Physical Therapy
University of Southern California

University:

2/25-2/26 USC Mentoring Awards Selection Committee, Appointed
USC Mentoring Awards
Center for Excellence in Teaching
Office of the Vice Provost and Faculty Affairs
University of Southern California

10/21-present Keck APIFSA Member
Keck Asian Pacific Islander Faculty and Staff Association
University of Southern California

10/21-10/23 APIFSA Communications Committee Member
Asian Pacific Islander Faculty and Staff Association
University of Southern California

EDITORIAL ACTIVITIES:

Scientific Review for Journal:

2026 Journal of Shoulder and Elbow Surgery (2)
2026 Journal of Orthopedic and Sports Physical Therapy (1)
2025 Journal of Shoulder and Elbow Surgery (2)
2024 Sports Health (1)
2024 Journal of Sport Rehabilitation (1)
2023 Journal of Shoulder and Elbow Surgery (3)
2023 International Journal of Sports Physical Therapy (1)
2023 Journal of Sport Rehabilitation (1)
2022 International Journal of Sports Physical Therapy (1)
2021 Journal of Sport Rehabilitation (1)
2021 Journal of Shoulder and Elbow Surgery (1)
2021 International Journal of Sports Physical Therapy (1)
2020 Journal of Shoulder and Elbow Surgery (2)
2016 International Journal of Sports Physical Therapy (1)
2012 Journal of Orthopedic and Sports Physical Therapy (1)
2011 Journal of Orthopedic and Sports Physical Therapy (1)

SERVICE TO PROFESSIONAL ORGANIZATIONS:

International Confederation of Scientific Societies for Shoulder and Elbow Therapy (ICSSET)

11/25-9/26 Manager, Abstracts Submission and Reviews
Scientific Committee Member
8th International Congress on Shoulder and Elbow Therapy
2026 ICSET, Vancouver, British Columbia, Canada

6/26-9/26 Coordinator, ICSSSET Industry Sponsorship
8th International Congress on Shoulder and Elbow Therapy
2026 ICSET, Vancouver, British Columbia, Canada

International Superior Capsule Reconstruction Association (ISCRA)

11/25-present Member, PT Resource Group for USA

American Society of Shoulder and Elbow Therapists (ASSET)

10/23 Scientific Program Co-Chair
Panel Moderator, ASES Surgeon Panel
2023 ASSET Annual Meeting, Scottsdale, AZ
10/22-10/23 Past-President, Elected
10/21-10/22 President, Elected
10/20-11/21 President-Elect, Elected
10/20-11/21 Chair, Membership Committee, Elected
10/20-11/21 Chair, Bylaws Committee, Elected
10/16-10/20 Chair, Development Committee, Appointed
10/17-10/18 Secretary/Treasurer, Elected
10/16-10/17 Secretary/Treasurer-Elect, Elected
10/14-10/16 Member-At-Large, Elected
Membership Committee Member
10/13-10/17 Research Committee Member, Appointed
Evidence-Based Practice Subsection Member, Appointed

American Physical Therapy Association (APTA)

National:

10/22-present Upper Extremity Athlete Fellowship Re-Validation Committee
American Board of Physical Therapy Residency and Fellowship Education

2002-04 APTA Student Liaison
Student Assembly

2002-04 Student APTA Class Representative
Division of Biokinesiology and Physical Therapy
University of Southern California

2003 Student Delegate Representative

Greater Los Angeles District, California Chapter

State:

7/09-7/10 Assembly Representative, Elected
San Gabriel Valley District, California Chapter

Local:

7/08-7/10 Continuing Education Committee, Appointed
San Gabriel Valley District, California Chapter

7/07-7/09 Nominating Committee, Elected
San Gabriel Valley District, California Chapter

Upper Extremity Athlete Fellowship Collaborative
10/22-present Founding Member and Co-Coordinator

OTHER SERVICE ACTIVITIES (CAN INCLUDE COMMUNITY EDUCATION):

2025 ActivBody In-Kind Donation to Division (20 ActivForce Hand Held Dynamometer Systems)
Total Donation Amount: $9000

3/1/25 Asian Pacific Health Corps at UCLA: Rosemead Community Health Fair
Balance/Gait Assessments
Faculty Advisor/Coordinator: Asian Pacific Islander Student Affinity Group
Rosemead, CA

11/9/24 Chinatown Service Center: Annual Health Fair
Balance/Gait Assessments
Liaison/Coordinator: Asian Pacific Islander Student Affinity Group
Chinatown Service Center
Los Angeles, CA

3/24-present San Diego Padres Baseball Club
Cactus League Spring Training Physicals
Major League Baseball
Peoria, AZ

2022 Therabody, Inc In-Kind Donation to Division (1000 Theragun Elite Devices)
Total Donation Amount: $400,000

7/21-7/23 Impact Players Screening Program
PFA Baseball
Upland, CA

2012-22 East Los Angeles College Athletic Department
Pre-Participation Physicals
Monterey Park, CA

3/10-3/20 Los Angeles Angels Baseball Club
Cactus League Spring Training Physicals
Major League Baseball
Tempe, AZ

2014-16 San Marino High School Baseball Screening Program
San Marino, CA

ADMINISTRATIVE OR SERVICE AWARDS, HONORS, COMMENDATIONS:

2026 City of Arcadia
Mayor's Certificate of Commendation
Head Coach
2025 Santa Anita Little League 13U Intermediate All Star Team
Section 2 Champions, Advancing to State Tournament

2005 Kathleen Bice Award:
Service to the profession of physical therapy
Division of Biokinesiology and Physical Therapy
University of Southern California

2004 Helen J. Hislop Award:
Support in vision and excellence in physical therapy
Division of Biokinesiology and Physical Therapy
University of Southern California

III. SCHOLARLY ACTIVITIES

PUBLICATIONS

Published Papers in Peer-Reviewed Journals:

1. McLagan B, Silvey K, Roberts T, Erceg D, **Sum JC**, Schroeder ET. Consensus on the Use of Therapeutic Interventions in Pain Management, Recovery, and Athletic Performance: A Delphi Study. Int J Sports Phys Ther. 2025;20(3):420-428.
2. Stirling BD, **Sum JC**, Baek L, Michener LA, Barrack AJ, Tate AR. Shoulder Pain in Competitive Swimmers: A Multi-Site Survey Study. Int J Sports Phys Ther. 2024;19(8):965-975.
3. Plummer HA, Cai Z, Dove H, Hostetter G, Brice T, Chien A, **Sum JC**, Hawkins A, Li B, Michener LA. Hip Abductor Strength Asymmetry: Relationship to Upper Extremity Injury in Professional Baseball Players. Sports Health. 2023;15(2), 295–302.
4. Kindstrand NA, McNeill BT, Dickenson SB, Magnusson N, **Sum JC**. Proposed Musculoskeletal Examination of Youth and Adolescent Baseball Players. Curr Sports Med Rep. 2022;21(10):376-382.

5. Michener LA, Barrack AJ, Liebeskind BY, Zerega RJ, **Sum JC**, Crotin RL, Plummer HA. Shoulder external and internal rotation strength profiles in professional baseball players: effects of player position and geographic origin. Int J Sports Phys Ther. 2021;16(4):1126-1134.
6. Zipser MC, Plummer HA, Kindstrand N, **Sum JC**, Li B, Michener LA. Hip Abduction Strength: Relationship to Trunk and Lower Extremity Motion During A Single-Leg Step-Down Task in Professional Baseball Players. Int J Sports Phys Ther. 2021;16(2):342-349.
7. Zipser MC, **Sum JC**, Wilcox A. Little leaguer's shoulder. J Orthop Sports Phys Ther. 2018;48(1):51.
8. Plummer, HA, **Sum JC**, Pozzi F, Varghese R, Michener LA. Observational Scapular Dyskinesis: known-groups validity in patients with and without shoulder pain. J Orthop Sports Phys Ther. 2017;47(8):530-7.
9. Wu B, Lorenzana D, Badash I, Berger M, Lane C, **Sum JC**, Hatch GF, Schroeder ET. Perioperative testosterone supplementation increases lean mass in healthy men undergoing anterior cruciate ligament reconstruction: a randomized controlled trial. Orthop J Sports Med. 2017;5(8):1-9.
10. Skinner C, Franklin S, Chang J, **Sum J**, Groshen S, Hatch G. Demographics, activity level, and shoulder health history of populations participating in CrossFit: a descriptive analysis. Austin J Orthopade & Rheumatol. 2017;4(2):1052.
11. Tilson JK, Mickan S, R Howard, **Sum JC**, Zibell M, Cleary L, Mody B, Michener LA. Promoting physical therapists' use of research evidence to inform clinical practice: part 3 – long term feasibility of the PEAK program. BMC Med Educ. 2016; 16(1):144.
12. Cole S, Sanderson T, McNeill BT, **Sum JC**. A Proposal for Functional Screening of the Throwing Kinetic Chain in Baseball Pitchers to assess Shoulder and Elbow Injury Risk. Sport Exerc Med Open J. 2015;1(5):151-8.
13. Riva SS, **Sum JC**, Hatch GF. Functional movement analysis in the differential diagnosis of a patient with a posterolateral corner knee injury. Sport Exerc Med Open J. 2015;1(2):47-53.
14. Hawkins AP, **Sum JC**, Kirages D, Sigman E, Sahai-Srivastava S. Pelvic osteomyelitis presenting as groin and medial thigh pain: a resident's case problem. J Orthop Sports Phys Ther. 2015;45(4):306-15.
15. Wu B, Berger M, **Sum JC**, Hatch GF, Schroeder ET. Randomized control trial to evaluate the effects of acute testosterone administration in men on muscle mass, strength, and physical function following ACL reconstructive surgery: rationale, design, methods. BMC Surg. 2014;14(102).
16. Tilson JK, Mickan S, **Sum JC**, Zibell M, Dylla JM, Howard R. Promoting physical therapists' use of research evidence to inform clinical practice: part 2 – a mixed methods evaluation of the PEAK program. BMC Med Educ. 2014;14(1):126.
17. **Sum JC**, Omid R. Superior labrum anterior to posterior tear. J Orthop Sports Phys Ther. 2012;42(12):1050.
18. **Sum JC**, Hatch GF. Osteochondritis Dissecans. J Orthop Sports Phys Ther. 2011;41(10):797.
19. Hensley CP, **Sum J**. Physical therapy intervention for a former power lifter after arthroscopic microfracture procedure for grade IV glenohumeral chondral defects. Int J Sports Phys Ther. 2011 Mar;6(1):10-26.

20. Popovich JM Jr, **Sum JC**, Poppert EM, Colletti PM, Kulig K. Axial loading of the lumbar spine in persons with acute low back pain: a kinematic analysis. Clinical Kinesiology: Journal of the American Kinesiotherapy Association, vol.59, no.1, 2005.

Published Books, Monographs, Chapters:

1. **Sum JC**, Diaz AM, Michener LA. Shoulder the Future: Prevention and Recovery of Common Shoulder Injuries in Youth Sports. Chapter. Youth Sports Injury Prevention and Recovery. eds. Queen R, Hart J (Switzerland; Springer Nature, *IN PRESS, anticipated for 2026*).
2. **Sum JC,** Michener LA. Rehabilitation for Rotator Cuff Disorders. Chapter. Resident Orthopaedic Core Knowledge. American Academy of Orthopedic Surgery. Nov 29, 2022.
3. **Sum JC,** Michener LA. Chapter 2 Evaluation of Scapular Dysfunction in Athletes: What does the Literature Tell Us?. Current Concepts Shoulder Independent Study Course. American Academy of Sports Physical Therapy, American Physical Therapy Association. 2022. https://learn.sportspt.org/courses/48245/sections/59960

Articles in Conference Proceedings:

1. **Sum JC**, Nomura J, Carter K, Low S, Phan W, Pilar EC, Tabaracci B, Washington D, Squillante A, Michener LA, Schroeder ET. Intertester and intratester reliability of measuring medial elbow stiffness using myotonometry. Oral Presentation, International Congress on Shoulder and Elbow Therapy, International Confederation of Scientific Societies for Shoulder and Elbow Therapy, Vancouver, British Columbia, Canada, Sep 25, 2026.
2. **Sum JC**, Nomura J, Carter K, Low S, Phan W, Pilar EC, Tabaracci B, Washington D, Squillante A, Michener LA, Schroeder ET. Intertester and intratester reliability of measuring medial elbow stiffness using myotonometry. Platform Presentation, Annual Meeting, American Society of Shoulder and Elbow Therapists, San Diego, California, Oct 16, 2025.
3. Nomura JKM, Carter KL, Squillante A, Tabaracci B, Klich S, Schroeder ET, Michener LA, **Sum JC**. PROTOCOL: Reliability assessment of medial elbow stiffness: an anatomic study. Poster Presentation, USC Division of Biokinesiology and Physical Therapy Jacqueline Perry Research Day, Los Angeles, California, Apr 11, 2024.
4. Craven T, **Sum JC**, Tabor J, Zhuang F, Lee C, Awokuse DO, Michener LA. Effect of Arm Path on Pitch Metrics and Injury Risk. 15th International Congress on Shoulder and Elbow Surgery, 7th International Congress on Shoulder and Elbow Therapy. E-Poster, Sep 5-8, 2023.
5. **Sum JC**, Omid R. Rehabilitation following arthroscopic superior capsule reconstruction. Platform Presentation, Annual Meeting, American Society of Shoulder and Elbow Therapists, Virtual Meeting, Oct 2, 2020.
6. Tate AR, **Sum JC**, Stirling B, Baek L, Michener LA, Barrack AJ. Multicenter survey investigating United States youth competitive swimmers' shoulder pain disability and training, and their coaches' experience, education and views on shoulder injury prevention. Platform Presentation, Annual Meeting, American Society of Shoulder and Elbow Therapists, Virtual Meeting, Oct 2, 2020.
7. Matsuno K, Dionio K, Seto E, Chavez A, Schroeder ET, **Sum JC**. Effects of Recovery Sleeves on Professional Basketball Players. Poster Presentation, USC Division of

Biokinesiology and Physical Therapy Jacqueline Perry Research Day, Los Angeles, California, Apr 18, 2019.

8. Stirling B, **Sum JC**, Knight T. Effects of Incrediwear®. Recovery Leg Sleeves on Time-Loss for Major League Soccer Players. Poster Presentation, Annual Meeting, California Physical Therapy Association, Santa Clara, California, Sept 22, 2018.
9. Stirling B, **Sum JC**, Knight T. Effects of Incrediwear®. Recovery Leg Sleeves on Time-Loss for Major League Soccer Players. Poster presentation, USC Division of Biokinesiology and Physical Therapy Jacqueline Perry Research Day, Los Angeles, California, Apr 10, 2018.
10. **Sum JC**. Rehabilitation following Superior Capsular Reconstruction. Session presentation, USC Shoulder Update 2018, USC Division of Biokinesiology and Physical Therapy, Los Angeles, California, Feb 3, 2018.
11. **Sum JC**. Evaluation of the Overhead Athlete. Session presentation, USC Science of Throwing and Hitting, USC Division of Biokinesiology and Physical Therapy, Los Angeles, California, Feb 2, 2018.
12. McNeill BT, **Sum JC**, Pozzi F, Plummer H, Michener LA. Feasibility and Efficacy of a Closed Chain Strengthening Protocol for Patients with Full Thickness Rotator Cuff Tears. Platform Presentation, Annual Meeting, American Society of Shoulder and Elbow Therapists, New Orleans, Louisiana, Oct 14, 2017.
13. Stirling B, **Sum JC**, Ayoob K, Baek L, Bryant M, Chang J, Curran J, Hankard J, Weedman C, Yim C, Zeiger B. Prevalence of shoulder pain in United States youth competitive swimmers. Research Podium Presentation, Annual Meeting, California Physical Therapy Association, San Diego, California, Sept 16, 2017.
14. **Sum JC**, Reeves L. Pain Rehabilitation: Physical & Occupational Therapies. Session presentation, Keck Medicine of USC 8th Annual Pain Management Symposium, Universal City, California, Aug 11, 2017.
15. **Sum JC**. Latarjet vs. Bankart: Outcomes and Rehab. Session presentation, USC Shoulder Update 2016, USC Division of Biokinesiology and Physical Therapy, Los Angeles, California, Sep 10, 2016.
16. **Sum JC**, Uyeshiro A. Pain Rehabilitation: Physical & Occupational Therapies. Session presentation, Keck Medicine of USC 7th Annual Pain Management Symposium, Universal City, California, Aug 19, 2016.
17. Hankard J, Bryant M, Zeiger B, Yim C, Weedman C, Curran J, Tate AR, **Sum JC**. Prevalence of shoulder pain and disability in youth competitive swimmers. Poster presentation, USC Division of Biokinesiology and Physical Therapy Jacqueline Perry Research Day, Los Angeles, California, Apr 14, 2016.
18. Selby-Silverstein L, Bose S, Moore MG, **Sum JC**, Tilson JK. Electronic Health Records and EBP: Maximizing Knowledge Translation. Session Presentation, Evidence Based Practice Special Interest Group, Research Section, Combined Sections Meeting, American Physical Therapy Association, Anaheim, California, Feb 20, 2016.
19. **Sum JC**, Tate AR, Chang J, Wyberg G. Prevalence of shoulder pain and disability in youth male and female swimmers: a multicenter survey. Platform presentation, Annual Meeting, American Society of Shoulder and Elbow Therapists, Asheville, North Carolina, Oct 9, 2015.
20. Chang J, Skinner CB, **Sum JC**, Nash JK, Koshkaryan G, Hatch GF, Ji L, Groshen SL. Pre-participation fitness characteristics of participants joining Crossfit. Poster

presentation, Annual Meeting, California Physical Therapy Association, Pasadena, California, Sep 27, 2015.

21. Merriam P, Sniderman M, **Sum JC**, Uyeshiro A, Weinstein FF. Case study discussion / Panel of interdisciplinary pain experts. Panel presentation, Keck Medicine of USC 6th Annual Pain Management Symposium, Pasadena, California, Aug 20, 2015.
22. Axtell S, **Sum JC**, Uyeshiro A. Pain rehabilitation: psychology, physical therapy, and occupational therapy. Panel presentation, Keck Medicine of USC 6th Annual Pain Management Symposium, Pasadena, California, Aug 21, 2015.
23. Dexheimer JD, Orozco SP, Wu B, **Sum JC**, Gilbert PK, Vallejo AF, Schroeder ET. Anti-Gravity Treadmill Walking in Acute Rehabilitation of Total and Partial Knee Replacement Patients: 1365 Board# 158 May 28, 9: 00 AM-10: 30 AM. Medicine & Science in Sports & Exercise. 2015 May 1;47(5S):363-4.
24. **Sum JC**, Skinner CB, Nash JK, Koshkaryan G, Hatch GF, Ji L, Groshen SL. Risk factors associated with shoulder injury in high-intensity exercise. Poster presentation, USC Division of Biokinesiology and Physical Therapy Jacqueline Perry Research Day, Los Angeles, California, Apr 16, 2015.
25. **Sum JC**, Tate AR, Chang J, Wyberg G, Zeiger B. Prevalence of shoulder pain and disability in youth male and female competitive swimmers: a multicenter survey. Poster presentation, USC Division of Biokinesiology and Physical Therapy Jacqueline Perry Research Day, Los Angeles, California, Apr 16, 2015.
26. Dayal R, Merriam P, Sniderman M, **Sum JC**, Uyeshiro A, Weinstein FF. Pain management case studies: Panel discussion. Panel presentation, Keck Medicine of USC 5th Annual Pain Management Symposium, Los Angeles, California, Aug 21, 2014.
27. **Sum JC**, Skinner CB, Kim SC, Kelso AS, Hatch GF, Groshen SL. Pilot study to investigate risk factors associated with shoulder injury in athletes involved with CrossFit. Poster presentation, USC Division of Biokinesiology and Physical Therapy Jacqueline Perry Research Day, Los Angeles, California, Apr 17, 2014.
28. **Sum JC**, McGuiness A, Hatch GF. Range of motion and self-reported outcome measures following latissimus dorsi tendon transfer for irreparable rotator cuff tear using a post-operative physical therapy protocol: A case series. Platform presentation, Annual Meeting, American Society of Shoulder and Elbow Therapists, Las Vegas, Nevada, Oct 13, 2013.
29. **Sum JC**, Fitzgerald K, Haile J, McNeill B, Michener LA. Relevance of scapular dyskinesis in patients with shoulder pain. Poster presentation, USC Division of Biokinesiology and Physical Therapy Jacqueline Perry Research Day, Los Angeles, California, Apr 11, 2013.
30. Tilson JK, Mickan S, **Sum JC**, Zibell M, Howard R, Dylla J. Impact and implications of a multi-faceted, participant driven, EBP educational intervention. Evidence 2011, London, England, Oct 2011.
31. Woodward SC, Hayden EM, **Sum JC**, Fresen JL, Dylla JM, Ying JC. Physiologic characteristics of jazz guitarists. Platform presentation, Medical Problems of Performing Artists Annual Symposium, Performing Arts Medicine Association, Snowmass, Colorado, Jul 2010.

Published Abstracts:

1. Low S, Phan W, **Sum JC**, Nomura J, Carter K, Pilar EC, Tabaracci BC, Washington D, Squillante A, Michener LA, Schroeder ET. Intertester and Intratester Reliability of

Measuring Medial Elbow Stiffness Using Myotonometry. Poster Presentation, Combined Sections Meeting, American Physical Therapy Association, Anaheim, California, Feb 12, 2026.

2. Minassian S, Awokuse D, Michener LA, **Sum JC**. Using an arm action training device can influence pitch performance metrics. Poster Presentation, Combined Sections Meeting, American Physical Therapy Association, Houston, Texas, Feb 13, 2025.
3. Nomura JKM, Carter KL, Squillante A, Tabaracci B, Klich S, Schroeder ET, Michener LA, **Sum JC**. PROTOCOL: Reliability assessment of medial elbow stiffness: an anatomic study. Poster presentation, USC Ostrow School of Dentistry Research Day, Los Angeles, California, Apr 3, 2024.
4. Barrack AJ, Michener LA, Liebeskind BY, Zerega RJ, **Sum JC**, Crotin RL, Plummer HA. Rotational Shoulder Strength Profiles In North And Latin American Professional Baseball Pitchers And Position Players. Annual Meeting, American College of Sports Medicine, Virtual, 2021.
5. Stirling BD, Baek L, **Sum JC**, Michener LA, Barrack AJ, Tate AR. Shoulder Pain in Competitive Swimmers: A Multisite Survey Study. Platform Presentation, Combined Sections Meeting, American Physical Therapy Association, Virtual, 2021.
6. Baek L, Stirling BD, **Sum JC**, Barrack AJ, Michener LA, Tate AR. US Swimmers' Shoulder Pain and Coaches' Experience, Education, and Views on Injury Prevention. Platform Presentation, Combined Sections Meeting, American Physical Therapy Association, Virtual, 2021.
7. Stirling B, **Sum JC**, Knight T. Effects of Incrediwear®. Recovery Leg Sleeves on Time-Loss for Major League Soccer Players. Poster Presentation, Combined Sections Meeting, American Physical Therapy Association, Washington DC, Jan 26, 2019.
8. Zipser MC, Plummer H, Hostetter G, Li B, **Sum JC**, Michener LA. Hip abduction strength relationship to single-leg step down task in professional baseball players. Poster Presentation, Combined Sections Meeting, American Physical Therapy Association, Washington DC, Jan 26, 2019.
9. Pozzi F, Plummer H, **Sum JC**, McNeill BT, Chow K, Winstein CL, Michener LA. Functional recovery of patients with full thickness rotator cuff tears discharged from physical therapy. Poster Presentation, Combined Sections Meeting, American Physical Therapy Association, Washington DC, Jan 26, 2019.
10. Pozzi F, Plummer H, **Sum JC,** McNeill BT, Chow K, Itamura JM, Michener LA. Feasibility and Efficacy of a Closed Chain Strengthening Protocol for Patients with Full Thickness Rotator Cuff Tears. Platform Presentation, Combined Sections Meeting, American Physical Therapy Association, New Orleans, Louisiana, Feb 22, 2018.
11. Badash BA, Wu B, Berger M, Lorenzana D, Lane C, **Sum JC**, Hatch GF, Schroeder ET. Testosterone supplementation increases lean mass in men undergoing anterior cruciate ligament reconstruction: a randomized controlled trial. Abstract/Presentation. Annual Meeting. American Orthopaedic Society for Sports Medicine, Toronto, Canada, July 21, 2017.
12. Hankard J, **Sum JC**, Tate AR, Blubello A, Blum B, Bryant M, Chang J, Curran J, Peterson A, Weedman C, Yim C, Zeiger B. Prevalence of shoulder pain in United States youth competitive swimmers. Poster Presentation, Combined Sections Meeting, American Physical Therapy Association, San Antonio, Texas, Feb 17, 2017.
13. Hankard J, Bryant M, Zeiger B, Yim C, Weedman C, Curran J, Tate AR, **Sum JC**. Prevalence of shoulder pain and disability in youth competitive swimmers. Poster

presentation, USC Ostrow School of Dentistry Research Day, Los Angeles, California, Mar 9, 2016.

14. **Sum** JC, Skinner CB, Nash JK, Koshkaryan G, Hatch GF, Ji L, Groshen SL. Risk factors associated with shoulder injury in high-intensity exercise. Poster presentation, USC Ostrow School of Dentistry Research Day, Los Angeles, California, Mar 25, 2015.
15. **Sum JC**, Tate AR, Chang J, Wyberg G, Zeiger B. Prevalence of shoulder pain and disability in youth male and female competitive swimmers: a multicenter survey. Poster presentation, USC Ostrow School of Dentistry Research Day, Los Angeles, California, Mar 25, 2015.
16. Wu B, Berger M, **Sum JC**, Hatch GF, Schroeder ET. Acute vs. chronic knee injury – Basketball. Platform presentation, 61st Annual Meeting, American College of Sports Medicine, Orlando, Florida, May 28, 2014.
17. **Sum JC**, Fitzgerald K, Haile J, McNeill B, Michener LA. Relevance of scapular dyskinesis in patients with shoulder pain. Poster presentation, USC Ostrow School of Dentistry Research Day, Los Angeles, California, Feb 20, 2013.
18. **Sum JC**. Latissimus dorsi tendon transfer for massive irreparable rotator cuff tears: indications and post-operative rehabilitation considerations. Poster presentation, Combined Sections Meeting, American Physical Therapy Association, Las Vegas, Nevada, Feb 2009.
19. **Sum JC,** Ellenbecker TS, Bailie DS. Range of motion, rotator cuff muscular strength, and functional self-report following Promos shoulder arthroplasty vs. Copeland shoulder arthroplasty. Platform presentation, Combined Sections Meeting, American Physical Therapy Association, San Diego, California, Feb 2006.
20. **Sum JC,** Popovich JM, Kulig K, Colletti P. The role of axial loading in early diagnosis of lumbar disc injury: a biomechanical interpretation using magnetic resonance imaging. Poster presentation, Combined Sections Meeting, American Physical Therapy Association, New Orleans, Louisiana, Feb 2005.

News Releases:

12/10/24 Featured Faculty Member in Print Spotlight
HSC News
American Academy of Sports Physical Therapy honors USC expert
https://hscnews.usc.edu/american-academy-of-sports-physical-therapy-honors-usc-expert

12/10/24 Featured Faculty Member in Print Interview
inMotion Monthly
Faculty member honored with 2025 Lynn Wallace Excellence in Clinical Education and Professional Development Award
https://pt.usc.edu/news/faculty-member-honored-with-2025-lynn-wallace-excellence-in-clinical-education-and-professional-development-award/

5/6/24 Featured Faculty Member in Print Interview
inMotion Monthly
Standing on the Shoulders of Giants
https://pt.usc.edu/news/standing-on-the-shoulders-of-giants/

12/13/23 Featured Faculty Member in Division Video Media
inMotion Monthly
Launching Dream Careers in the Sports World
https://vimeo.com/893408223?share=copy

11/10/2 Featured Faculty Member in Print Spotlight
Keck Medicine of USC Daily Huddle
USC physical therapist named fellow of the American Society of Shoulder and Elbow Therapists

11/7/23 Featured Faculty Member in Print Spotlight
HSC News
USC physical therapist named fellow of the American Society of Shoulder and Elbow Therapists
https://hscnews.usc.edu/usc-physical-therapy-educator-named-fellow-of-the-american-society-of-shoulder-and-elbow-therapists

11/1/23 Featured Faculty Member in Print Spotlight
inMotion Monthly
Shouldering Success
https://pt.usc.edu/news/shouldering-success/

7/13/23 Featured Faculty Member in Print Interview
inMotion Monthly
USC's Upper Extremity Athlete Fellowship Receives ABPTRFE Accreditation
https://pt.usc.edu/news/uscs-upper-extremity-athlete-fellowship-receives-abptrfe-accreditation/

7/10/23 CBSNews Featured Guest Expert with Danya Bacchus
Pickleball injuries on the rise
CBSNews Philadelphia:
https://drive.google.com/file/d/1E1aMZNoH5sYZrTaIMSytlCsqDdsHJQkg/view?usp=sharing
CBSNews Minnesota:
https://drive.google.com/file/d/1Pk_aCdsV5zI9Ap664YJpGd0aairCS7_S/view?usp=drive_link

12/5/22 Featured Faculty in Print Interview
inMotion Monthly
A Grand Slam
https://pt.usc.edu/news/a-grand-slam/

10/11/22 Featured Faculty in Print Interview
USC Annenberg Media
NFL and NFLPA agree on amendments to concussion protocol

https://www.uscannenbergmedia.com/2022/10/11/nfl-and-nflpa-agree-on-amendments-to-concussion-protocol/

10/24/17 Featured Faculty in Print Interview with USC Annenberg Media
Triple digit heat doesn't stop Dodgers fans from watching the game
https://www.uscannenbergmedia.com/2017/10/24/triple-digit-heat-doesnt-stop-dodgers-fans-from-watching-the-game/

10/4/17 Featured Faculty in Print Interview with USC Press Room
The final stretch: MLB postseason puts players' endurance to the test

7/25/17 Featured Faculty in Print Interview with Los Angeles Times
Bill Skaikin, National Baseball Reporter
There still is no timetable for Clayton Kershaw's return to the mound for the Dodgers.
https://www.latimes.com/sports/dodgers/la-sp-dodgers-report-20170725-story.html

1/22/15 Featured Faculty in Radio Interview on The Drive
with George Wrighster and Brett Winterble
The Beast 980, KFWB 980 AM
Topic: Kobe Bryant tears his rotator cuff

3/6/14 Featured Faculty in Radio Interview on Airtalk with Larry Mantle
KPCC 89.3 FM
Topic: Are CrossFit workouts too dangerous for the average person?

1/9/14 Featured Faculty in Television Interview on KABC 7: Fitness Coach Lori Corbin
Topic: Cheerleading Injuries

11/6/13 Featured Faculty in Television Interview on KABC 7: Fitness Coach Lori Corbin
Topic: Swimmer's Shoulder

11/13/12 Featured Faculty in Print Interview with Today in PT magazine article
Great Pains by Stephanie Stephens

MAJOR PUBLIC PRESENTATIONS

International Invited Keynote Lecturer (2 Part Lecture Series)
8/27/26 Part 1: State of Youth Sports USA vs. Japan
9/3/26 Part 2: Youth Sports Medical Care USA vs. Japan
US-Japan Virtual Exchange Forum
Department of Health and Physical Education
Gunma University, Japan
Division of Biokinesiology and Physical Therapy

University of Southern California

8/26/26 Invited Expert Speaker
Rotator Cuff Tendinopathy in Athletes
ActivForce Webinar

4/17-18/26 Invited Featured Speaker
19th Annual Sanford Sports Medicine Symposium
Sanford Orthopedics Sports Medicine
Sioux Falls, SD

10/17/25 Invited Case Panel Expert
Panel Case Discussion: Pseudo-paralysis patient case
ASSET Annual Meeting
American Society of Shoulder and Elbow Therapists
San Diego, CA

3/25/24 Invited Guest Lecturer
Physical Therapy in Management of Pain
OT 550 Lifestyle Redesign: Pain and Headache Management
(2 contact hours, 2 units per spring semester, 21 students)
USC Chan Division of Occupational Science and Occupational Therapy
Ostrow School of Dentistry
University of Southern California
Los Angeles, CA

12/15/23 Invited Faculty for USC Football Academic Recruiting
1923 Club, Los Angeles Memorial Coliseum
Student - Athletic Academic Services
Department of Athletics
University of Southern California
Los Angeles, CA

11/17/23 Invited Lunch and Learn Lecture
Rehab for Anatomic Total Shoulder and Reverse Total Shoulder Arthroplasty
Gary Souza PT and Associates
Diamond Bar, CA

5/13/23 Spotlight on Upper Extremity Athlete Fellowships Webinar
Shoulder Special Interest Group
American Academy of Sports Physical Therapy
https://learn.sportspt.org/courses/41557/webinars/35875

5/3/23 Invited Faculty for USC Football Academic Recruiting
Virtual Meeting
Student - Athletic Academic Services

Department of Athletics
University of Southern California
Los Angeles, CA

1/15/22 Invited Speaker
PocketPath: Rehab & Identifying Risk Factors in Throwers
PWS Coaches Seminar
Upland, CA

12/10/21 Invited Expert Speaker
Pitching Mechanics: A Clinical Perspective
ATI Upper Extremity Athlete Fellowship Speaker Series

3/26/21 Invited Expert Panelist
Combined Panel Discussion: DPTs in Sports Medicine / Treating an Athletic Population
Northwestern University AAOMPT Sports SIG Meeting
Department of Physical Therapy and Human Movement Science
Northwestern University

2/24/21 Podcast: Understanding the role of Physical Therapy in Pain Management
Pain Know-How: by Steven Richeimer MD
Keck School of Medicine
University of Southern California
https://anchor.fm/pain-know-how/episodes/Understanding-the-role-of-Physical-Therapy-in-pain-management-eqdj5v

10/17/19 Invited Expert Panelist
Combined Panel Discussion: Return to Sports for the Throwing Athlete
2019 American Society of Shoulder and Elbow Therapists Annual Meeting
New York, NY

10/25/18 Invited Lecturer
Physical Therapy…Personalized
2018 Research Coordinators Education
Keck School of Medicine
University of Southern California
Los Angeles, CA

9/18/18 Invited Lecturer
Physical Therapy in Pain Management
2018-19 USC Pain Management Lecture Series for Pain Fellowship
Keck School of Medicine
University of Southern California
Los Angeles, CA

3/1/18 Invited Expert for Musicians and Injuries Podcast Interview
PE for Musicians Blog with Karen Hall
https://musicianhealthresource.com/blogs/blog/interview-with-dr-jonathan-sum-dpt-ocs-scs-physician-at-usc-musician-rehabilitation

1/9/18 Invited Lecturer
Physical Therapy in Pain Management
2017-18 USC Pain Management Lecture Series for Pain Fellowship
Keck School of Medicine
University of Southern California
Los Angeles, CA

12/8/17 Invited Faculty
Shoulder Surgery:
Rehabilitation Tricks for the Unstable Shoulder
2017 Orthopedic Summit Evolving Techniques
Las Vegas, NV

12/9/17 Invited Faculty
Advanced Practitioner Summit:
Postoperative Rehab of the Throwing Athlete: What I've Learned in 12 Years
2017 Orthopedic Summit Evolving Techniques
Las Vegas, NV

12/9/17 Invited Expert Panelist
Advanced Practitioner Summit:
Case Presentations
2017 Orthopedic Summit Evolving Techniques
Las Vegas, NV

11/20/13 Invited Lecturer
Repetitive Overuse Injuries in Youth
Partnership for Awareness
San Marino, CA

2013-17 Invited Lecturer (annually)
Pitching Mechanics/Legs and Trunk/Throwing by Positions
Far East Baseball Exchange Program
Los Angeles, CA

10/12 Invited Lecturer
Dynamic Scapular Assessment
Orthopedic Residency Reunion Meeting
USC Division of Biokinesiology & Physical Therapy
University of Southern California
Los Angeles, CA

10/11 Invited Lecturer
Kinesiology Majors Club Career Information Meeting
Department of Kinesiology, College of Health and Human Development
California State University, Northridge
Northridge, CA

4/11 Guest Panelist
Pre-Health Week 2011
Pre-Health Advisement Office
Dornsife College of Letters, Arts & Science
University of Southern California
Los Angeles, CA

7/09 Invited Lecturer
Orthopedic Functional Outcomes
San Gabriel Valley District Meeting, California Chapter
American Physical Therapy Association

3/07 Invited Lecturer
Musculoskeletal Disorders of the Musician
Music Education Department
Thornton School of Music
University of Southern California
Los Angeles, CA

2006-09 Invited Lecturer (annually)
Kinesiology Club Career Information Meeting
Dornsife College of Letters, Arts, & Science
University of Southern California
Los Angeles, CA

GRANTS AND/OR CONTRACTS AWARDED

2020 *Ability of Oral Steroid (Oxandrolone) to Halt Fatty Infiltration and Aid Rotator Cuff Healing: A Double-Blind, Randomized Clinical Trial (HS-17-00272)*
Funding Agency: Keck School of Medicine Dean's Pilot Funding Program.
Dates of funding: February 2020 – February 2021
Total Budget: Total: $40,000
Name of PI: Alex Weber, MD
Role: Research Coordinator: Physical Therapy Protocol-Development and Adherence to Protocol

2017 *Risk Factors Associated with Upper Extremity Injuries in Baseball (HS-17-00056)*
Major League Baseball Research Grant
Funding Agency: Major League Baseball Research Fund

Dates of funding: 2017 - 2019
Total Budget: Total: $47,677
Name of PI: Lori Michener, PhD, PT, ATC, FNATA, FAPTA
Role: Co- Investigator

2015 *Rehabilitation of Patients with Full-thickness Rotator Cuff Tears: Planning and Pilot Study for Feasibility and Efficacy (HS-15-00771)*
Funding Agency: Private Donor
Dates of funding: 2015-2017
Total Budget: Total: $500,000+
PI: Lori Michener, PhD, PT, ATC, FNATA, FAPTA
Role: Co-Investigator

2012 *The Effects of Acute Testosterone Administration in Men on Muscle Mass, Strength, and Physical Function Following ACL Reconstructive Surgery (HS-10-00593)*
Sandy Kirkley Clinical Outcome Research Grant
Funding Agency: American Orthopedic Society for Sports Medicine
Total Budget: Total: $19,500
CTSI Grant
Funding Agency: Southern California Clinical and Translational Science Institute
Total Budget: Total: $30,000
Division of Biokinesiology and Physical Therapy Seed Grant
Funding Agency: Division of Biokinesiology and Physical Therapy
Total Budget: Total: $15,000
PI: E. Todd. Schroeder, PhD
Role: Co-Investigator

IV. TEACHING ACTIVITIES

COURSES DEVELOPED AND/OR PRESENTED

1/21-present Course Co-Director
PAIN 720 Physical & Occupational Therapies
(1 unit per semester, 8 students)
Content Co-Developer
Program: Masters in Pain Medicine
This course discusses different Physical and Occupational Therapy interventions for assessing and treating chronic pain
Keck School of Medicine & Ostrow School of Dentistry
University of Southern California

1/26-present Course Director
1/26-present Hybrid Lead
1/21-present Residential Lead
1/20-4/20 Course Instructor

PT 566 Disorders of the Musculoskeletal System
(50 contact hours per spring semester, 3 units, 138 graduate/professional students)
Division of Biokinesiology and Physical Therapy
University of Southern California

5/22-present Course Co-Director
5/22-present Residential Lead
5/20 – 5/22 Hybrid Lead
PT 561e Evidence in Physical Therapist Practice – Health Systems
(30 contact hours per summer semester, 2 units, 145 graduate/professional students)
Division of Biokinesiology and Physical Therapy
University of Southern California

7/14-present Content Co-Developer/Module Coordinator/Lead Lecturer/ Laboratory Instructor
Pediatric/Adolescent Sports Module
PT 529 Lifespan Motor Control
(6 contact hours per spring semester, 3 units, 145 graduate/professional students)
Division of Biokinesiology and Physical Therapy
University of Southern California

11/22–present Content Developer/Module Coordinator/Lead Instructor
Management of the Athlete Module
PT 630/ PT 640b Integrated Patient Management Clinical Skills
(4 contact hours each fall and spring semester, 4 units, 100 graduate/professional students; 4 contact hours Immersion 10, 4 units, 48 graduate/professional students)
Division of Biokinesiology and Physical Therapy
University of Southern California

1/17-present Content Co-Developer/Module Coordinator/Lead Instructor
Knee Module
PT630 / PT 640b Integrated Patient Management Clinical Skills
(4 contact hours each fall and spring semester, 4 units, 100 graduate/professional students; 4 contact hours Immersion 10, 4 units, 48 graduate/professional students)
Division of Biokinesiology and Physical Therapy
University of Southern California

8/19-present Co-Lead Instructor
Shoulder Module
PT 630 / PT 640a Integrated Patient Management Clinical Skills
(4 contact hours each fall and spring semester, 4 units, 100 graduate/professional students; 4 contact hours Immersion 9, 4 units, 48

graduate/professional students)
Division of Biokinesiology and Physical Therapy
University of Southern California

8/25-present Course Instructor
PT 521 Evaluation of the Patient with Musculoskeletal Dysfunction
(Residential: 4 contact hours per week; Hybrid: 2 contact hours per week + Immersion 0, 1, 2; fall semester, 5 units, 138 graduate/professional students)
Division of Biokinesiology and Physical Therapy
University of Southern California

10/20-12/24 Course Instructor
PT 606 Clinical Imaging
(30 contact hours per fall semester, 2 units, 12 graduate/professional students per section, taught 2 sections)
Division of Biokinesiology and Physical Therapy
University of Southern California

6/20 – 12/21 Course Instructor
PT 642a Integrated Patient Management
(59 contact hours per fall semester, 24 graduate/professional students per section, taught 2 sections)
Division of Biokinesiology and Physical Therapy
University of Southern California

4/09 - 4/20 Content Developer/Module Coordinator
Shoulder Module
PT 621 Clinical Management of the Patient with Musculoskeletal Dysfunction
(10 contact hours per spring semester, 5 units, 100 graduate/professional students)
Division of Biokinesiology and Physical Therapy
University of Southern California

10/08 - 4/20 Content Developer/Module Coordinator
Shoulder Module
PT 521 Basics of Patient Management
(9.5 contact hours per fall semester, 4 units, 100 graduate/professional students)
Division of Biokinesiology and Physical Therapy
University of Southern California

2/06-5/13, 11/17, 11/19 Laboratory Instructor
Musculoskeletal Examination
Introduction to Clinical Medicine
(4 contact hours per semester, 192 medical students)

Keck School of Medicine
University of Southern California

7/23/18 Guest Lecturer
Large Population Screening Assessments: Baseball
PT 599 Emerging Topics
(2 contact hours, 2 units, 100 graduate/professional students)
Division of Biokinesiology and Physical Therapy
University of Southern California

5/24/13 Guest Lecturer
Physical Therapy in MSK
Musculoskeletal System
(1 contact hour, 192 medical students)
Keck School of Medicine
University of Southern California

5/23/13 Guest Lecturer
Clinical Applications of the Spine
Musculoskeletal System
(1 contact hour, 192 medical students)
Keck School of Medicine
University of Southern California

7/12 Guest Panelist
PT 561e Evidence for Physical Therapists Practice
(2 contact hours, 2 units, 96 graduate/professional students)
Division of Biokinesiology and Physical Therapy
University of Southern California

5/11 Guest Lecturer
PT 530b Special Topics in Therapeutic Exercise
(2 contact hours, 2 units, 48 graduate/professional students)
Division of Biokinesiology and Physical Therapy
University of Southern California

1/08-5/09 Course Instructor
PT 621 Clinical Management of the Patient with Musculoskeletal Dysfunction
(10 contact hours per week, spring semester, 5 units, 96 graduate/professional students)
Division of Biokinesiology and Physical Therapy
University of Southern California

THESIS ADVISOR/THESIS COMMITTEE ACTIVITIES

4/25-present PhD Committee Member

Ian Leahy, PT, DPT, PhD Candidate
Thesis Title: Shoulder Internal and External Rotation Strength in Youth Baseball Players
Rocky Mountain University of Health Professions

MENTORING ACTIVITIES:

7/19-present Senior Fellowship Mentor
USC Physical Therapy Upper Extremity Athlete Fellowship
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

10/09-present Associate Residency Mentor
USC Orthopedic Physical Therapy Residency
USC Sports Physical Therapy Residency
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

9/09-present DPT Student Mentor
USC DPT Student Mentorship Program
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

5/23-2/25 Mentor
Mentor/Protege Program
Shoulder Special Interest Group
American Academy of Sports Physical Therapy
American Physical Therapy Association

2/06-4/20 Clinical Instructor
Research Hybrid Affiliation
USC Physical Therapy - HSC
Los Angeles, CA

7/11-4/20 Physician Fellowship Mentor
USC Rheumatology Fellowship
Department of Rheumatology
University of Southern California
Los Angeles, CA

4/09-4/20 Physician Fellowship Mentor
USC Pain Fellowship
USC Pain Center
Department of Anesthesiology

University of Southern California
Los Angeles, CA

8/05-2/06 Clinical Instructor
Physiotherapy Associates Scottsdale Sports Clinic
Scottsdale, Arizona

CONTINUING EDUCATION TAUGHT

5/30/26 Instrumented Strength Testing: Handheld Dynamometry for the Classroom and the Clinic (3 contact hours)
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

12/12-13/2025 USC Sports Module 6: Upper Extremity Sports (14 contact hours)
Baseball, Golf, Swimming, Volleyball
USC Sports Residency Module
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

10/5/25 Musculoskeletal Imaging of the Lower Extremity (3 contact hours)
USC Sports Residency Module
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

1/25/25 USC/PBPTS Baseball Medicine Virtual Conference (4 contact hours)
Collaboration with Professional Baseball Physical Therapy Society
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

1/10-11/2025 USC Sports Module 6: Upper Extremity Sports (14 contact hours)
Baseball, Golf, Swimming, Volleyball
USC Sports Residency Module
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

9/29/24 Musculoskeletal Imaging of the Lower Extremity (3 contact hours)
USC Sports Residency Module
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

5/6/24 Grand Rounds: Rehab for Anatomic Total Shoulder and Reverse Total

Shoulder
Arthroplasty (1 contact hour)
USC Physical Therapy - HSC
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

1/5-6/2024 USC Sports Module 6: Upper Extremity Sports (14 contact hours)
Baseball, Golf, Swimming, Volleyball
USC Sports Residency Module
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

11/19/23 Musculoskeletal Imaging of the Lower Extremity (3 contact hours)
USC Sports Residency Module
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

10/30/23 Residency Q&A: presented by USC BKNPT Affinity Groups (1 contact hour)
Led/Moderated by Jonathan Sum
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

9/11/23 Grand Rounds: HHD Dynamometry with Hoggan Scientific: MicroFET3 (1 contact hour)
USC Physical Therapy - HSC
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

11/7/22 Grand Rounds: Adhesive Capsulitis (1 contact hour)
USC Physical Therapy - HSC
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

11/5/22 Baseball Didactic and Lab (6 contact hours)
USC Sports Residency Module
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

10/2/21 Baseball Didactic and Lab (6 contact hours)

USC Sports Residency Module
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

2/13/21 Baseball Lab (3 contact hours)
USC Sports Residency Module
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

2020 USC Sports Residency Seminar II (4 contact hours)
Pitching Mechanics, Pathologies Related to Throwing,
Throwing Specific Exercises, Return to Sport
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

2019 USC Upper Extremity Rotational Athlete (1.25 contact hours)
Upper Extremity/Lower Extremity/Core Assessments in Baseball
Return to Sport: Throwing
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

2018 USC Sports Rehabilitation: Module II (4 contact hours)
Pitching Mechanics, Pathologies Related to Throwing,
Throwing Specific Exercises, Return to Sport
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

2018 The Science of Throwing and Hitting Symposium
Evaluation of the Overhead Athlete (0.3 contact hours)
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

2017 USC Sports Rehabilitation: Module II (4 contact hours)
Pitching Mechanics/Pathologies Related to Throwing
Pediatric Throwing Athlete, Return to Sport
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

2016 USC Shoulder Update 2016
Latarjet vs. Bankart: Outcomes and Rehab (0.3 contact hours)

Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

2016 USC Sports Rehabilitation: Module II (4 contact hours)
Pitching Mechanics/Pathologies Related to Throwing
Pediatric Throwing Athlete
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

2015 Evaluation and Treatment of Shoulder and Elbow Disorders: An evidence-based approach for injuries and return to sport (6 contact hours each day)
Summit Professional Education
1/24/15 Redondo Beach, CA
1/25/15 San Diego, CA

2014 Shoulder Evaluation and Treatment for the Throwing Athlete: An evidence-based approach to managing pain, preventing injury, and returning to sport (6 contact hours each day)
Summit Professional Education
3/23/14 Bakersfield, CA
3/24/14 Burbank, CA
6/21/14 Spokane, WA
6/22/14 Seattle, WA
7/12/14 Tucson, AZ
7/13/14 Phoenix, AZ
8/9/14 Salt Lake City, UT
8/10/14 Boise, ID
12/13/14 Eugene, OR
12/14/14 Portland, OR

9/15 USC Sports Rehabilitation: Module II (4 contact hours)
Pitching Mechanics/Pathologies Related to Throwing
Pediatric Throwing Athlete
Throwing Specific Exercises / Return to Sport
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

9/14 USC Sports Rehabilitation: Module II (4 contact hours)
Pitching Mechanics/Pathologies Related to Throwing
Pediatric Throwing Athlete
Throwing Specific Exercises / Return to Sport
Division of Biokinesiology and Physical Therapy
University of Southern California

Los Angeles, CA

8/13 USC Sports Rehabilitation: Module II (3 contact hours)
Pitching and the Lower Extremities and Trunk
Throwing Return to Sport Criteria
Throwing Specific Exercises
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

4/12 USC Sports Rehabilitation: Module II (3 contact hours)
Softball Pitching
Positional Differences
Lower Extremity and Throwing
Division of Biokinesiology and Physical Therapy
University of Southern California
Los Angeles, CA

9/08 Physical Therapy and Rehabilitation for the Elderly (1 contact hour)
USC School of Medicine, Continuing Medical Education
Suburban Medical Center
Paramount, CA

6/08 Medical Problems of Musicians (1 contact hour)
USC School of Medicine, Continuing Medical Education
Verdugo Hills Hospital
Glendale, CA

2007 The Relationship of the Cervical and Thoracic Spine in the Evaluation and Treatment of the Shoulder (1 contact hour)
USC School of Medicine, Continuing Medical Education
6/07 Suburban Medical Center
Paramount, CA
4/07 Verdugo Hills Hospital
Glendale, CA
3/07 Olympia Medical Center
Los Angeles, CA