

Dean Wang, M.D.

Department of Orthopaedic Surgery, UCI Health
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ACADEMIC APPOINTMENTS

University of California Irvine School of Medicine , Irvine, CA	
Associate Professor, Department of Orthopaedic Surgery	2022 – Present
Associate Professor, Department of Biomedical Engineering	2022 – Present
Assistant Professor, Department of Orthopaedic Surgery	2018 – 2022

CLINICAL APPOINTMENTS

UCI Health , Orange, CA	
Sports Medicine Fellowship Faculty, Department of Family Medicine	2020 – Present
Attending Surgeon, Department of Orthopaedic Surgery	2018 – Present
Chief, Division of Sports Medicine, Department of Orthopaedic Surgery	2018 – Present

New York Presbyterian Weill Cornell Medical Center , New York, NY	
Clinical Instructor, Department of Orthopaedic Surgery	2016 – 2018

SPECIAL APPOINTMENTS

Head Team Orthopaedic Physician, UCI Department of Athletics	2020 – Present
Team Physician, UCI Department of Athletics	2019 – Present
Consultant Physician, ISU Four Continents Figure Skating Championship	2019
Assistant Team Physician, New York Giants, National Football League	2017 – 2018
Consultant Physician, ACC Men's Basketball Tournament	2017, 2018
Assistant Team Physician, New York Red Bulls, Major League Soccer	2016 – 2018
Assistant Team Physician, New York Red Bulls II, United Soccer League	2016 – 2018

EDUCATION & POST-GRADUATE TRAINING

Hospital for Special Surgery , New York, NY	8/2016 – 7/2018
Fellow in Sports Medicine and Shoulder Surgery	

University of California Los Angeles Medical Center , Los Angeles, CA	6/2011 – 6/2016
Resident in Orthopaedic Surgery	

National Institutes of Health , Bethesda, MD	7/2008 – 6/2009
HHMI-NIH Research Scholar under Rocky S. Tuan, Ph.D.	

Case Western Reserve University School of Medicine , Cleveland, OH	7/2006 – 5/2011
Doctor of Medicine, Cleveland Clinic Lerner College of Medicine	

Duke University , Durham, NC	8/2002 – 5/2006
Bachelor of Science, Major in Biomedical Engineering, Minor in Chemistry	

LICENSURE & BOARD CERTIFICATION

American Board of Orthopaedic Surgery Sports Medicine Subspecialty Examination	2021
American Board of Orthopaedic Surgery Part II Examination	2020
American Board of Orthopaedic Surgery Part I Examination	2016
Physician Licenses	
New York State Education Department #282915	2016
Medical Board of California #A124076	2012
California Fluoroscopy License #RHC 00201602	2015
USMLE Step 3	2012
Advanced Cardiac Life Support, American Heart Association	2011, 2015, 2017
Basic Life Support, American Heart Association	2010, 2015, 2017
USMLE Step 2	2010
USMLE Step 1	2008

AWARDS & HONORS

WOA Annual Meeting Poster Award, 1 st place	2022
ON/ICRS Education Grant	2022
AOA Annual Meeting Top Poster	2021
Super Doctors Southern California Rising Stars	2021, 2022, 2023
AAOS/OREF/ORS Clinician Scholar Career Development Program (sponsored by ASES)	2021
Dean's Summer Research Scholarship Award, UCI SOM (Mentor)	2019, 2020, 2021, 2022
WOA Young Investigator Award Nominee	2019, 2020
Lance Peters, MD, Memorial Biomechanics Award	2019
ICRS/Vericel – Lars Peterson Clinical Travelling Fellowship	2019
Principal Reviewer, American Journal of Sports Medicine	2019, 2020, 2021, 2022
Arthroscopy Journal Basic Science Research Excellence Runner-up	2019
Charles S. Neer Award – Basic Science	2019
Russell F. Warren, M.D. Fellow Research Award, Hospital for Special Surgery	2018
AOSSM Annual Meeting Poster Award, 2 nd place	2018
ON/AOSSM Education Grant	2018
ON/AANA Education Grant	2018
ON/ICRS Education Scholarship	2018
Arthroscopy Journal Resident/Fellow Research Excellence Runner-up	2018
Arthroscopy Journal Resident/Fellow Research Excellence Runner-up	2018
Administrative Fellow, HSS Sports Medicine and Shoulder Surgery Fellowship	2017 – 2018
Arthroscopy Association of North America (AANA) Resident Scholarship	2016
H & H Lee Resident Travel Grant, AOSSM Annual Meeting	2015
H & H Lee Resident Travel Grant, AAOS Annual Meeting	2015
Best Chief Paper, UCLA Academic Research Day	2014
American Orthopaedic Foot and Ankle Society (AOFAS) Resident Scholarship	2014
Howard Hughes Medical Institute–NIH Research Scholars (Cloister) Program	2008 – 2009
Cleveland Clinic Lerner College of Medicine Full Scholarship	2007 – 2011
<i>Cum laude</i> , Duke University	2006
Graduation with Distinction, Duke University	2006
Pratt Engineering Research Fellowship, Duke University	2005 – 2006
Dean's List, Duke University	2002 – 2006

SERVICE & SCHOLARSHIP

Professional Society Memberships:

International Society for Hip Arthroscopy (ISHA)	2022 – Present
American Orthopaedic Association (AOA) Emerging Leader	2022 – Present
American Board of Orthopaedic Surgery (ABOS) – Diplomat	2020 – Present
American Shoulder and Elbow Surgeons (ASES)	2019 – Present
Western Orthopaedic Association (WOA)	2018 – Present
International Cartilage Repair Society (ICRS)	2018 – Present
Arthroscopy Association of North America (AANA)	2016 – 2019
American Orthopaedic Society for Sports Medicine (AOSSM) – Active Member	2015 – Present
American Academy of Orthopaedic Surgeons (AAOS) – Fellow	2011 – Present

Professional Service:

Regulatory & Industry Liaison Committee, ICRS	2022 – 2023
OKU Evaluation Committee, AAOS	2022 – 2025
Abstract Review Panel, ASES	2022
Team Physician and Athlete Advocacy Committee, AOSSM	2021 – 2025
Abstract Reviewer, WOA	2020
Author, JBJS Knowledge+ Questions	2017 – 2019
Author, California Orthopaedic Association OKU-11 Study Flashcards	2014

University Service:

Council on Teaching, Learning & Student Experience, UCI Academic Senate	2021 – Present
Regenerative Medicine Workgroup, UCI Health	2021 – Present
Patient-Reported Outcomes Study Team, UCI Department of Orthopaedic Surgery	2020 – Present
Team Physician, UCI Department of Athletics	2019 – Present
Mentor, UCI ICTS Medical Student Research Program	2018 – Present
Residency Selection Committee, UCI Department of Orthopaedic Surgery	2018 – Present
Administrative Fellow, HSS Sports Medicine and Shoulder Surgery Fellowship	2017 – 2018
Arthroscopy Lab Manager, UCLA Department of Orthopaedic Surgery	2015 – 2016
Research Assistant, Duke University Clinical Transplantation Immunology Lab	2003 – 2006

Manuscript Review:

Reviewer, Journal of Hip Preservation Surgery	2022 – Present
Reviewer, JSES Reviews, Reports & Techniques	2021 – Present
Reviewer, Cartilage	2020 – Present
Reviewer, Journal of Knee Surgery	2020 – Present
Academic Editor, PLOS ONE	2019
Reviewer, Journal of Shoulder and Elbow Surgery (JSES)	2019 – Present
Reviewer, Journal of Bone and Joint Surgery (JBJS)	2018 – Present
Reviewer, American Journal of Sports Medicine (AJSM)	2017 – Present
Reviewer, Arthroscopy: The Journal of Arthroscopic and Related Surgery	2017 – Present

Grant Review:

Clinical and Translational Sciences Awards (CTSA) Consortium, NCATS/NIH	2022 – Present
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Consultantships and Advisory Boards:

Consultant, Arthrex	2022 – Present
Consultant, BICMD	2021 – Present
Consultant, Vericel	2021 – Present

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Consultant, Mitek Sports Medicine	2020 – Present
Consultant, Newclip Technics	2020 – Present
Consultant, Grand Rounds	2020 – Present
Consultant and Co-Founder, Cartilage Inc.	2019 – Present

RESEARCH GRANT SUPPORT

1. K08
NIH/NIAMS
Principal Investigator
Tissue engineering of neo-osteochondral allografts for joint cartilage repair
\$900,720
Under review
2. R21 AR082596
NIH/NIAMS
Principal Investigator
Liquid cartilage for arthroscopy
\$409,301
Under review
3. R41 AR081741
NIH/NIAMS
Principal Investigator
Chondrofluid™ for arthroscopic knee cartilage repair
\$252,131
Under review
4. NCT05211986 (Sponsor: Immunis, Inc.)
UCI Alpha Stem Cell Research Center
Principal Investigator
An open-label dose escalation study to assess the safety and tolerability of IMM01-STEM in participants with muscle atrophy related to knee osteoarthritis
\$444,291
9/15/22 – 10/15/23
5. Vericel Investigator Sponsored Trial Grant
Principal Investigator
Return to work and sport after MACI treatment in the knee
\$29,992
5/25/21 – 5/24/22
6. NSF SBIR Phase I 2036583
Consultant (P.I. – Wendy Brown, PhD)
Development of a biological adhesive, Chondrofluid™, for the fixation and integration of cartilage implants
\$256,000
2/15/21 – 1/31/23 (NCE)
7. R43 AR077461
NIH/NIAMS
Consultant (P.I. – Heenam Kwon, PhD)
Evaluation of Hyaleon's™ pre-clinical safety and efficacy for healing large cartilage defects in the knee
\$252,131
9/3/20 – 8/31/22 (NCE)

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8. MTF Biologics Extramural Research Junior Investigator Grant 8/1/18 – 7/31/19
Principal Investigator
Biomechanical, histological and ultrastructural analysis of commercially available osteochondral allografts
\$100,000
9. OREF Resident Clinician Scientist Training Grant 7/1/17 – 6/30/19 (NCE)
Principal Investigator
Use of activated endothelial cells for the treatment of patellar tendinosis
\$20,000
10. OREF Resident Research Project Grant 7/1/14 – 6/30/15
Principal Investigator
Preconditioning of hamstring tendon grafts for anterior cruciate ligament reconstruction
\$5,000

PUBLICATIONS: PEER REVIEWED

1. **Wang D**, Jones MH, Khair MM, Miniaci A. Patient-reported outcome measures for the knee. *J Knee Surg.* 2010 Sep;23(3):137-51. PMID: 21329255
2. **Wang D**, Taboas JM, Tuan RS. PTHrP overexpression partially inhibits a mechanical strain-induced arthritic phenotype in chondrocytes. *Osteoarthritis Cartilage.* 2011 Feb;19(2):213-21. PMID: 21087676
3. **Wang D**, DeRubertis BG. Popliteal artery occlusion secondary to exostosis of the femur. *Perspect Vasc Surg Endovasc Ther.* 2012 Dec;24(4):217-20. PMID: 23793292
4. **Wang D**, Fritchie KJ, Nowacki AS, Rubin BP, Lietman SA. A single institution analysis of recurrence in myxoid liposarcoma. *J Solid Tumors.* 2013 Aug;3(4):44-52.
5. Rugg CM, **Wang D**, Sulzicki P, Hame SL. Effects of prior knee surgery on subsequent injury, imaging, and surgery in NCAA collegiate athletes. *Am J Sports Med.* 2014 Apr;42(4):959-64. PMID: 24519183
6. **Wang D**, Jones KJ, Petrigliano FA. Cartilage resurfacing using osteochondral allograft. *Oper Tech Orthop.* 2014 Dec;24(4):271-78.
7. **Wang D**, Berger NM, Cohen JR, Lord EL, Wang JC, Hame SL. Surgical treatment of posterior cruciate ligament insufficiency in the United States. *Orthopedics.* 2015 Apr;38(4):e281-86. PMID: 25901620
8. Boguszewski DV, Joshi NB, **Wang D**, Markolf KL, Petrigliano FA, McAllister DR. The effect of different preconditioning protocols on anterior knee laxity after ACL reconstruction with four commonly used grafts. *J Bone Joint Surg Am.* 2015 Jul;97(13):1059-1066. PMID: 26135072
9. Cheung EC, Boguszewski DV, Joshi NB, **Wang D**, McAllister DR. Anatomic factors that may predispose female athletes to anterior cruciate ligament injury. *Curr Sports Med Rep.* 2015 Sep-Oct;14(5):368-372. PMID: 26359837

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10. **Wang D**, Sandlin MI, Cohen JR, Lord EL, Petrigliano FA, Soohoo NF. Operative versus nonoperative treatment of acute Achilles tendon rupture: an analysis of 12,570 patients in a large healthcare database. *Foot Ankle Surg.* 2015 Dec;21(4):250-3. PMID: 26564726
11. **Wang D**, Joshi NB, Petrigliano FA, Cohen JR, Lord EL, Wang JC, Jones KJ. Trends associated with distal biceps tendon repair in the United States, 2007 to 2011. *J Shoulder Elbow Surg.* 2016 Apr;25(4):676-80. PMID: 26853757
12. **Wang D**, Yamaguchi KT, Jones MH, Miniaci A. The KOOS and IKDC scales may be inadequate in evaluating patients with multiple ligament knee injuries: a systematic review. *J ISAKOS.* 2016 Apr;1(2):82-86.
13. **Wang D**, Rugg CM, Mayer E, Lai WC, Sulzicki P, Vail J, Hame SL. Precollegiate knee surgery predicts subsequent injury requiring surgery in NCAA athletes. *Am J Sports Med.* 2016 Aug;44(8):2023-9. PMID: 27022061
14. Jayakar R, Merz A, Plotkin B, **Wang D**, Seeger L, Hame SL. Magnetic resonance arthrography and the prevalence of acetabular labral tears in patients 50 years of age and older. *Skeletal Radiol.* 2016 Aug;45(8):1061-7. PMID: 27098353
15. Arshi A, **Wang D**, Jones KJ. Combined particulated juvenile cartilage allograft transplantation and MPFL reconstruction for symptomatic chondral defect in the setting of recurrent patellar instability. *Arthrosc Tech.* 2016 Oct;5(5):e1149-54. PMID: 28224070
16. **Wang D**, Jayakar RG, Leong NL, Leathers MP, Williams RJ, Jones KJ. Evaluation of the quality, accuracy, and readability of online patient resources for the management of articular cartilage defects. *Cartilage.* 2017 Apr;8(2):112-118. PMID: 28345406
17. **Wang D**, Bluth BE, Cohen JR, Ishmael CR, Wang JC, Petrigliano FA. Early complications of acromioclavicular joint reconstructions requiring reoperation. *Knee Surg Sports Traumatol Arthrosc.* 2017 Jul;25(7):2020-2024. PMID: 27311450
18. Lai WC, **Wang D**, Chen JB, Vail J, Rugg CM, Hame SL. Lower quarter Y-balance test scores and lower extremity injury in NCAA division I athletes. *Orthop J Sports Med.* 2017 Aug;5(8):2325967117723666. PMID: 28840153
19. **Wang D**, Rodeo SA. Platelet-rich plasma in orthopaedic surgery: a critical analysis review. *JBJS Rev.* 2017 Sep;5(9):e7. PMID: 28953136
20. **Wang D**, Degen RM, Camp CL, McGraw MH, Altchek DW, Dines JS. Trends in surgical practices for lateral epicondylitis among newly trained orthopaedic surgeons. *Orthop J Sports Med.* 2017 Sep;5(10):2325967117730570. PMID: 29051902
21. **Wang D**, Jones KJ, Eliasberg CD, Pais MD, Rodeo SA, Williams RJ III. Condyle-specific matching does not improve mid-term clinical outcomes after osteochondral allograft transplantation in the knee. *J Bone Joint Surg Am.* 2017 Oct;99(19):1614-1620. PMID: 28976425
22. **Wang D**, Camp CL, Werner BC, Dines JS, Altchek DW. Figure-of-eight reconstruction technique for chronic posterior sternoclavicular joint dislocation. *Arthrosc Tech.* 2017 Oct;6(5):e1749-e1753. PMID: 29399461

23. **Wang D**, Camp CL, Ranawat AS, Coleman SH, Kelly BT, Werner BC. The timing of hip arthroscopy after intra-articular hip injection affects postoperative infection risk. *Arthroscopy*. 2017 Nov;33(11):1988-1994.e1. PMID: 28800918
24. **Wang D**, Eliasberg CD, Wang T, Coxe FR, Pais MD, Williams RJ III. Similar outcomes after osteochondral allograft transplantation in anterior cruciate ligament-intact and –reconstructed knees: A comparative matched-group analysis with minimum 2-year follow-up. *Arthroscopy*. 2017 Dec;33(12):2198-2207. PMID: 28800919
25. Johnson CC, Johnson DJ, Garcia GH, **Wang D**, Pais MD, Degen RM, Burge AJ, Williams RJ III. Decellularized osteochondral allograft for treatment of knee cartilage lesions. *Arthroscopy*. 2017 Dec;33(12):2219-2227. PMID: 28967543
26. Ghodasra JH, **Wang D**, Jayakar RG, Jensen AR, Yamaguchi KT, Hegde VV, Jones KJ. The assessment of quality, accuracy, and readability of online educational resources for platelet rich plasma. *Arthroscopy*. 2018 Jan;34(1):272-278. PMID: 28784239
27. **Wang D**, Rebolledo BJ, Dare DM, Pais MD, Cohen MR, Jones KJ, Williams III RJ. Osteochondral allograft transplantation of the knee in patients with an elevated body mass index. *Cartilage*, 2018 Feb. In press. PMID: 29424234
28. Camp CL, Zajac JM, Pearson D, **Wang D**, Sinatro AS, Ranawat AS, Dines JS, Coleman SH. The impact of workload on the evolution of hip internal and external rotation in professional baseball players over the course of the season. *Orthop J Sports Med*, 2018 Feb;6(2):2325967117752105. PMID: 29435468
29. **Wang D**, Kalia V, Eliasberg CD, Wang T, Coxe FR, Pais MD, Rodeo SA, Williams RJ III. Osteochondral allograft transplantation of the knee in patients aged 40 years and older. *Am J Sports Med*. 2018 Mar;46(3):581-589. PMID: 29185781
30. Weiss LJ, **Wang D**, Hendel M, Buzzerio P, Rodeo SA. Management of rotator cuff pathology in the elite athlete. *Curr Rev Musculoskelet Med*. 2018 Mar;11(1):102-112. PMID: 29332181
31. Tan H, **Wang D**, Lebaschi AH, Hutchinson ID, Ying L, Deng XH, Rodeo SA, Warren RF. Comparison of bone tunnel and cortical surface tendon-to-bone healing in a rabbit biceps tenodesis model. *J Bone Joint Surg Am*, 2018 Mar;100(6):479-486. PMID: 29557864
32. Lin KM, **Wang D**, Dines JS. Injection therapies for rotator cuff disease. *Orthop Clin North Am*, 2018 Apr;49(2):231-239. PMID: 29499824
33. Amirtharaj MJ, **Wang D**, McGraw MH, Camp CL, Degen RM, Dines DM, Dines JS. Trends in the surgical management of acromioclavicular joint arthritis among board-eligible US orthopaedic surgeons. *Arthroscopy*, 2018 Jun;34(6):1799-1805. PMID: 29477607
34. **Wang D**, Graziano J, Williams III RJ, Jones KJ. Nonoperative treatment of PCL injuries: Goals of rehabilitation and the natural history of conservative care. *Curr Rev Musc Medicine*, 2018 Jun;11(2):290-297. PMID: 29721691
35. Camp CL, **Wang D**, Sinatro AS, D'Angelo J, Coleman SH, Dines HS, Fealy SA, Conte S. Getting hit by pitch in professional baseball: Analysis of injury patterns, risk factors, concussions, and days missed for batters. *Am J Sports Med*, 2018 Jul;46(8):1997-2003. PMID: 29768041

36. Balazs GC, **Wang D**, Burge AJ, Sinatro AL, Wong AC, Williams III RJ. Return to play among elite basketball players after osteochondral allograft transplantation of full-thickness cartilage lesions. *Orthop J Sports Med*, 2018 Jul;6(7):2325967118786941. PMID: 30109237
37. **Wang D**, Coxe FR, Balazs GC, Chang B, Jones KJ, Rodeo SA, Williams III RJ. Graft-recipient anteroposterior mismatch does not affect the mid-term failure rates of osteochondral allograft transplantation of the femoral condyle. *Am J Sports Med*, 2018 Aug;46(10):2441-2448. PMID: 29983091
38. **Wang D**, Tan H, Lebaschi AH, Nakagawa Y, Wada S, Donnelly P, Ying L, Deng XH, Rodeo SA. Kartogenin enhances collagen organization and mechanical strength of the repaired enthesis in a murine model of rotator cuff repair. *Arthroscopy*, 2018 Sep;34(9):2579-2587. PMID: 30037570
39. Lai WC, Erickson BJ, Mlynarek RA, **Wang D**. Chronic lateral epicondylitis: challenges and solutions. *Open Access J Sports Med*, 2018 Oct 30;9:243-251. PMID: 30464656
40. Wang T, **Wang D**, Burge A, Pais MD, Kushwaha B, Rodeo SA, Williams III RJ. Clinical and MRI outcomes of fresh osteochondral allograft transplantation after failed cartilage repair surgery in the knee. *J Bone Joint Surg Am*, 2018 Nov;100(22):1949-1959. PMID: 30480599
41. Lai WC, Arshi A, **Wang D**, Seeger LL, Motamedi K, Levine BD, Hame SL. Efficacy of intraarticular corticosteroid hip injections for osteoarthritis and subsequent surgery. *Skeletal Radiol*, 2018 Dec;47(12):1635-1640. PMID: 30155627
42. **Wang D**, Weiss LJ, Abrams M, Barnes RP, Warren RF, Rodeo SA, Taylor SA. Athletes with musculoskeletal injuries identified at the National Football League (NFL) scouting combine and prediction of outcomes in the NFL: A systematic review. *Orthop J Sports Med*, 2018 Dec;6(12):2325967118813083. PMID: 30560142
43. **Wang D**, Chang B, Coxe FR, Pais MD, Wickiewicz TL, Warren RF, Rodeo SA, Williams III RJ. Clinically meaningful improvement after treatment of cartilage defects of the knee with osteochondral grafts. *Am J Sports Med*, 2019 Jan;47(1):71-81. PMID: 30481044
44. **Wang D**, Chiaia T, Cavanaugh JT, Rodeo SA. Team approach: Return to play after anterior cruciate ligament reconstruction. *JBJS Rev*, 2019 Jan;7(1):e1. PMID: 30601201
45. McGraw MH, Vrla M, **Wang D**, Camp CL, Zajac JM, Pearson D, Sinatro AA, Dines JS, Coleman SH. Shoulder and elbow range of motion can be maintained in major league baseball pitchers over the course of the season, regardless of pitching workload. *Orthop J Sports Med*, 2019 Jan;7(2):2325967118825066. PMID: 30800690
46. Nakagawa Y, Lebaschi AH, Wada S, Green SJ, **Wang D**, Album ZM, Carballo CB, Deng XH, Rodeo SA. Duration of postoperative immobilization affects MMP activity at the healing graft-bone interface: Evaluation in a mouse ACL reconstruction model. *J Orthop Res*, 2019 Feb;37(2):325-334. PMID: 30431170
47. **Wang D**, Lin KM, Burge AJ, Balazs GC, Williams III RJ. Bone marrow concentrate does not improve osseous integration of osteochondral allografts for the treatment of chondral defects in the knee at 6 and 12 months: A comparative magnetic resonance imaging analysis. *Am J Sports Med*, 2019 Feb;47(2):339-346. PMID: 30543757

48. Camp CL, **Wang D**, Turner NS, Grawe BM, Kogan M, Kelly AM. Objective predictors of grit, self-control, and conscientiousness in orthopaedic surgery residency applicants. *J Am Acad Orthop Surg*, 2019 Mar;27(5):e227-e234. PMID: 30247313
49. Balazs GC, Greditzer IV HG, **Wang D**, Marom N, Potter HG, Rodeo SA, Marx RG, Williams III RJ. Ramp lesions of the medial meniscus in patients undergoing primary and revision ACL reconstruction: Prevalence and risk factors. *Orthop J Sports Med*, 2019 May;7(5):2325967119843509. PMID: 31205962
50. **Wang D**, Marom N, Coxe FR, Kalia V, Burge AJ, Jones KJ, Rodeo SA, Williams III RJ. Preoperative grades of osteoarthritis and meniscus volume correlate with clinical outcomes of osteochondral graft treatment of cartilage defects in the knee. *Cartilage*, 2021 Jul;12(3):344-353. PMID: 31161779
51. **Wang D**, Kent III RN, Amirtharj MJ, Hardy BM, Nawabi DH, Wickiewicz TL, Pearle AD, Imhauser CW. Tibiofemoral kinematics during compressive loading of the intact and anterior cruciate ligament-sectioned knee: Roles of tibial slope, medial eminence volume, and anterior laxity. *J Bone Joint Surg Am*, 2019 Jun;101(12):1085-1092. PMID: 31220025
52. Balazs GC, Dooley M, **Wang D**, O'Sullivan E, Gayle L, Kelly BT. Gluteus maximus transfer for irreparable hip abductor tendon tears: Technique and clinical outcomes. *Tech Orthop*, Jun 2019. In press.
53. Rugg CM, **Wang D**, Mayer EN, Sulzicki PL, Vail J, Hame SL. The impact of prior upper-extremity surgery on orthopaedic injury and surgery in collegiate athletes. *J Shoulder Elbow Surg*, 2019 Jul;28(7):1371-1377. PMID: 31230783
54. Marom N, **Wang D**, Patel S, Williams III RJ. Return to play after bipolar patellofemoral osteochondral allograft transplantation for a professional basketball player: A case report. *JBJS Case Connect*, 2019 Jul-Sep;9(3):e0291. PMID: 31365363
55. Kwon H, Brown WE, Lee CA, **Wang D**, Paschos N, Hu JC, Athanasiou KA. Surgical and tissue engineering strategies for articular cartilage and meniscus repair. *Nat Rev Rheumatol*, 2019 Sep;15(9):550-570. PMID: 31296933
56. Rauck R, **Wang D**, Tao M, Williams III RJ. Chondral delamination of fresh osteochondral allografts after implantation in the knee: A matched cohort analysis. *Cartilage*, 2019 Oct;10(4):402-407. PMID: 29792070
57. Balazs GC, **Wang D**, Burge AJ, Williams III RJ. Fluid imbibition at the bone-cartilage interface is associated with need for early chondroplasty following osteochondral allografting of the knee. *J Clin Orthop Trauma*, 2019 Oct;10(Suppl 1):S13-S19. PMID: 31700203
58. Markolf KL, **Wang D**, Joshi NB, Cheung E, Petrigliano FA, McAllister DR. Cyclic testing of tibialis tendon allografts for anterior cruciate ligament reconstruction using suture-post versus spiked washer tibial fixation. *Clin Biomech (Bristol, Avon)*. 2019 Dec;70:8-15. PMID: 31377634
59. Patel NA, Choi JH, **Wang D**. Tibial fixation techniques for soft-tissue grafts in anterior cruciate ligament reconstruction. *JBJS Rev*, 2019 Dec;7(12):e7. PMID: 31880625

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60. Cancienne JM, Awowale JT, Camp CL, Degen RM, Shiu B, **Wang D**, Werner B. Therapeutic postoperative anticoagulation is a risk factor for wound complications, infection, and revision after shoulder arthroplasty. *J Shoulder Elbow Surg*. 2020 Jul;29(7):S67-S72. PMID: 32192881
61. **Wang D**, Nawabi DH, Krych AJ, Jones KJ, Nguyen J, Elbuluk AM, Farshad-Amacker NA, Potter HG, Williams III RJ. Synthetic biphasic scaffolds versus microfracture for articular cartilage defects of the knee – A retrospective comparative study. *Cartilage*. 2021 Dec;13(1_suppl):1002S-1013S. PMID: 32046514
62. Balazs GC, Greditzer IV HG, **Wang D**, Marom N, Potter HG, Rodeo SA, Marx RG, Williams III RJ. Non-treatment of stable ramp lesions does not degrade clinical outcomes in the setting of primary ACL reconstruction. *Knee Surg Sports Traumatol Arthrosc*. 2020 Nov;28(11):3576-3586. PMID: 32358631
63. Balazs GC, Dooley M, **Wang D**, O'Sullivan E, Kelly BT. Clinical outcomes of open hip abductor tendon repair with minimum two-year follow-up. *Hip Int*. 2020 Oct. In press. PMID: 33043699
64. Lin KM, **Wang D**, Burge AJ, Warner T, Jones KJ, Williams III RJ. Magnetic resonance imaging and clinical outcomes of osteochondral allograft transplantation of the patella using femoral condylar allografts. *Orthop J Sports Med*. 2020 Oct 28;8(10):2325967120960088. PMID: 33195717
65. Lamplot JD, **Wang D**, Weiss LJ, Baum M, Zeidler K, Mack C, Barnes RP, Warren RF, Taylor SA, Rodeo SA. Lower extremity compartment syndrome in National Football League athletes. *Sports Health*. 2021 Mar;13(2):198-202. PMID: 33428552
66. Lai WC, Iglesias BC, Mark BJ, **Wang D**. Low-intensity pulsed ultrasound augments tendon, ligament, and bone-soft tissue healing in preclinical animal models: A systematic review. *Arthroscopy*. 2021 Jul;37(7):2318-2333.e3. PMID: 33621647
67. Parisien RL, Ehlers CB, Cusano A, Tornetta P, Li X, **Wang D**. The statistical fragility of platelet-rich plasma in rotator cuff surgery: A systematic review and meta-analysis. *Am J Sports Med*. 2021 Oct;49(12):3437-3442. PMID: 33646884
68. Oyadomari S, Brown WE, Kwon H, Otarola G, Link JM, Athanasiou KA, **Wang D**. In vitro effects of bupivacaine on the viability and mechanics of native and engineered cartilage grafts. *Am J Sports Med*. 2021 Apr;49(5):1305-1312. PMID: 33667144
69. **Wang D**, Cubberly M, Brown WE, Kwon H, Hu JC, Athanasiou KA. Diagnostic arthroscopy of the minipig stifle (knee) for translational large animal research. *Arthrosc Tech*. 2021 Feb;10(2):e297-301. PMID: 33680759
70. Nazaroff J, Oyadomari S, Brown N, **Wang D**. Reporting in clinical studies on platelet-rich plasma therapy among all medical specialties: A systematic review of level I and II studies. *PLoS One*. 2021 Apr;16(4):e0250007. PMID: 33891618
71. Bielajew BJ, Donahue RP, Espinosa G, Arzi B, **Wang D**, Hatcher D, Paschos N, Wong MEK, Hu JC, Athanasiou KA. Knee orthopaedics as a template for the temporomandibular joint: pathologies, products, and interventions. *Cell Rep Med*. 2021 May;2(5):100241. PMID: 34095872

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ABSTRACTS & PRESENTATIONS – REGIONAL / LOCAL

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3. **Wang, D**, Taboas, JM, Tuan RS. Gene therapy using PTHrP protects chondrocytes from cyclic tensile strain-induced injury. HHMI Meeting of Medical Fellows, Research Scholars, and Physician-Scientist Early Career Awardees, Chevy Chase, MD, May 2009.
4. **Wang D**, Taboas, JM, Tuan RS. PTHrP overexpression partially inhibits a mechanical strain-induced arthritic phenotype in chondrocytes. Cleveland Clinic Lerner College of Medicine Research Day, Cleveland, OH, Mar 2011.
5. Rugg CM, **Wang D**, Sulzicki P, Hame SL. Effects of prior knee surgery on participation, injury, and intervention in NCAA collegiate athletes. WOA Annual Meeting, Lake Tahoe, CA, Jul 2013.
6. Joshi NB, **Wang D**, Boguszewski DV, Petrigliano FA, Markolf KL, McAllister DR. Evaluation of two soft tissue fixation methods for anterior cruciate ligament reconstruction. Longmire Surgical Society Scientific Day, Los Angeles, CA, Mar 2014.
7. **Wang D**, Boguszewski DV, Joshi NB, Markolf KL, Petrigliano FA, McAllister DR. Preconditioning of tendon grafts for anterior cruciate ligament reconstruction. Longmire Surgical Society Scientific Day, Los Angeles, CA, Mar 2014.
8. Berger N, **Wang D**, Rugg CM, Mayer E, Sulzicki P, Hame SL. Effects of prior surgery on Division I NCAA athletes' careers, future injuries, and functional testing. UCLA Department of Orthopaedic Surgery Academic Research Day, Los Angeles, CA, May 2014.
9. **Wang D**, Boguszewski DV, Joshi NB, Markolf KL, Petrigliano FA, McAllister DR. Preconditioning of tendon grafts for anterior cruciate ligament reconstruction. UCLA Department of Orthopaedic Surgery Academic Research Day, Los Angeles, CA, May 2014.
10. Jayakar R, Merz A, Plotkin B, **Wang D**, Seeger L, Hame SL. Magnetic resonance arthrography and the prevalence of acetabular labral tears in patients 50 years of age and older: Is it really indicated? 2015 Western Student Medical Research Forum, Carmel, CA, Jan 2015.
11. **Wang D**, Sandlin MI, Cohen JR, Lord EL, Petrigliano FA, Soohoo NF. Operative versus nonoperative treatment of acute Achilles tendon rupture: A database analysis of 12,570 patients. Longmire Surgical Society Scientific Day, Los Angeles, CA, Mar 2015.

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12. **Wang D**, Rugg CM, Mayer E, Sulzicki P, Vail J, Hame SL. Predictive value of precollegiate surgery on further injury requiring surgery in NCAA athletes. UCLA Department of Orthopaedic Surgery Academic Research Day, Los Angeles, CA, Jun 2015.
13. Rugg CM, **Wang D**, Mayer E, Berger N, Vail J, Sulzicki P, Hame SL. Prior upper extremity surgery impacts injury rates in collegiate athletes. WOA Annual Meeting, Coeur d'Alene, ID, Jul 2015.
14. **Wang D**, Rugg CM, Mayer E, Sulzicki P, Vail J, Hame SL. Predictors of orthopaedic surgery in NCAA athletes. WOA Annual Meeting, Coeur d'Alene, ID, Jul 2015.
15. **Wang D**, Boguszewski DV, Joshi NB, Markolf KL, Petrigliano FA, McAllister DR. Does preconditioning an ACL graft prior to fixation reduce anterior laxity during cyclic anteroposterior testing? UCLA Department of Orthopaedic Surgery Academic Research Day, Los Angeles, CA, June 2016.
16. Ghodasra JH, **Wang D**, Jayakar RG, Jensen AR, Yamaguchi KT, Jones KJ. Platelet-rich plasma in orthopaedic surgery: The assessment of quality, accuracy, and readability of online patient resources. WOA Annual Meeting, Indian Wells, CA, Sept 2016.
17. Chen JB, **Wang D**, Lai W, Vail J, Rugg CM, Hame SL. Predictive value of the functional movement screen for injury in collegiate athletes. WOA Annual Meeting, Indian Wells, CA, Sept 2016.
18. Lai W, **Wang D**, Levine B, Hame SL. Efficacy of intra-articular hip injections and subsequent surgery. WOA Annual Meeting, Indian Wells, CA, Sept 2016.
19. **Wang D**, Tan H, Lebaschi A, Nakagawa Y, Hutchinson I, Ying L, Deng XH, Rodeo SA, Warren RF. Comparison of bone tunnel and cortical surface tendon-to-bone healing in a rabbit biceps tenodesis model. Annual West Point Sports Medicine Fellows Conference, West Point, NY, June 2017.
20. **Wang D**, Tan H, Lebaschi A, Nakagawa Y, Hutchinson I, Ying L, Deng XH, Rodeo SA, Warren RF. Comparison of bone tunnel and cortical surface tendon-to-bone healing in a rabbit biceps tenodesis model. HSS Clinical Fellow Research Presentations, New York, NY, June 2017.
21. Vellios EE, **Wang D**, Yamaguchi KT, Ishmael C, Cohen JR, Wang JC, Soohoo NF. Trends associated with surgical fixation of Lisfranc injuries in the United States. WOA Annual Meeting, Kauai, HI, Aug 2017.
22. Lai WC, **Wang D**, Chen JB, Vail J, Rugg CM, Hame SL. Lower quarter Y-balance test scores and lower extremity injury in NCAA division I athletes. WOA Annual Meeting, Kauai, HI, Aug 2017.
23. **Wang D**, Jones KJ, Eliasberg CD, Pais MD, Rodeo SA, Williams III RJ. Condyle-specific matching does not improve mid-term clinical outcomes after osteochondral allograft transplantation in the knee. EOA Annual Meeting, Miami Beach, FL, Oct 2017.
24. **Wang D**, Kent R, Amirtharaj M, Hardy B, Wickiewicz T, Pearle A, Imhauser C. Tibial bony morphology and anterior laxity predict knee kinematics during axial loading. Annual West Point Sports Medicine Fellows Conference, West Point, NY, June 2018.
25. **Wang D**, Tan H, Lebaschi AH, Nakagawa Y, Wada S, Donnelly P, Ying L, Deng XH, Rodeo SA. Kartogenin enhances collagen organization and mechanical strength of the repaired enthesis in a

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murine model of rotator cuff repair. HSS Clinical Fellow Research Presentations, New York, NY, June 2018.

26. Cancienne J, **Wang D**, Camp C, Degen R, Werner B. Therapeutic postoperative anticoagulation is a risk factor for wound complications, infection, and revision after shoulder arthroplasty. SOA Annual Meeting, Amelia Island, FL, July 2019.
27. **Wang D**, Balazs GC, Greditzer IV HG, Marom N, Potter HG, Rodeo SA, Marx RG, Williams III RJ. Ramp lesions of the medial meniscus in the setting of ACL rupture: Reoperation rates and clinical outcomes. WOA Annual Meeting, Monterey, CA, Aug 2019.
28. **Wang D**, Culley K, Wach A, Shields A, Chen T, Nguyen J, Rodeo S, Maher S, Williams III RJ. Interfacial shear mechanical properties of commercially available osteochondral allografts. WOA Annual Meeting, Monterey, CA, Aug 2019.
29. Oyadomari S, Brown W, Link J, Otarola G, Kwon H, Athanasiou K, **Wang D**. In vitro toxicity of bupivacaine on self-assembled tissue-engineered cartilage. WOA Annual Meeting (Virtual), Aug 2020.
30. Nazaroff J, Mark B, Learned J, **Wang D**. Measurement of acetabular wall indices: A comparison between CT and plain radiograph. WOA Annual Meeting (Virtual), Aug 2020.
31. Stepanyan H, Nazaroff J, Le N, Parker R, Tando T, Yoshioko H, **Wang D**. Measurement of medial tibial eminence dimensions for the clinical evaluation of ACL-injured knees: A comparison between CT and MRI. WOA Annual Meeting (Virtual), Aug 2021.
32. Lai WC, Iglesias BC, Mark BJ, **Wang D**. Low-intensity pulsed ultrasound for tendon, ligament, and bone-soft tissue healing. WOA Annual Meeting (Virtual), Aug 2021.
33. Amirhekmat A, Brown WE, Athanasiou KA, **Wang D**. Mechanical evaluation of salvage techniques for lateral fibular tunnel breach in posterolateral corner reconstruction. WOA Annual Meeting (Virtual), Aug 2021.
34. Fackler N, Yareli Salinas E, Callan K, Athanasiou K, **Wang D**. The effects of methylprednisolone and triamcinolone on the viability and mechanics of native articular cartilage. WOA Annual Meeting, Maui, HI, Aug 2022. **1st Place Poster Award**
35. Chan JP, Parisien RL, Vrla M, Thompson C, Hassan MM, Tornetta P, Li X, **Wang D**. The statistical fragility of platelet-rich plasma in knee osteoarthritis: A systematic review of randomized clinical trials. WOA Annual Meeting, Maui, HI, Aug 2022.
36. Callan K, Otarola G, Brown W, Athanasiou K, **Wang D**. The long-term effects of bupivacaine on the mechanical properties of articular cartilage explants. WOA Annual Meeting, Maui, HI, Aug 2022.

GRAND ROUNDS & COURSE FACULTY – SPEAKER / MODERATOR

1. Moderator, Arthroscopic Surgery and Sports I. Singapore Orthopaedic Association Annual Scientific Meeting, Singapore, Malaysia, Dec 2022.
2. Device Innovations: Patient-specific Instrumentation for Knee Osteotomy. Singapore Orthopaedic Association Annual Scientific Meeting, Singapore, Malaysia, Dec 2022.

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3. Scaffold-free, Self-assembled Neocartilage for Cartilage Repair. Singapore Orthopaedic Association Annual Scientific Meeting, Singapore, Malaysia, Dec 2022.
4. Instructor, Knee Osteotomies & PSI Training Course. Newclip, Austin, TX, Jun 2022.
5. Co-Chair, Sports Medicine and Joint Preservation Symposium. UCI Department of Orthopaedic Surgery, Newport Beach, CA, Jun 2022.
6. Instructor, Treating Complex Knee Pathologies Symposium. Mitek/Johnson & Johnson, Chicago, IL, Apr 2022.
7. Young Adults with Neglected / Quasi Treated Pediatric Sports Hip Conditions Presenting to the Adult Sports Medicine Provider. American Osteopathic Academy of Orthopedics Annual Meeting, Carlsbad, CA, Apr 2022.
8. Rehabilitation after Knee Cartilage Repair – How Fast Can We Go? California Orthopaedic Association Annual Meeting, Indian Wells, CA, Apr 2022.
9. Knee Osteotomy: Computational Modeling in Sports Medicine. HSS Annual Alumni Association Meeting (Virtual), Oct 2021.
10. Moderator, Sports Medicine Symposium. WOA Virtual Annual Meeting, Aug 2021.
11. The Basic Science of MACI and other Cartilage Repair Strategies. HOAG Grand Rounds, Irvine, CA, Apr 2021.
12. Knee Pathology and Treatment Algorithm. Newclip Knee Joint Preservation: The Evolution of Knee Osteotomy (Virtual), Apr 2021.
13. Knee Arthroscopy Peer-to-Peer Meeting. Mitek/Johnson & Johnson (Virtual), Oct 2020.
14. Knee Joint Preservation. Newclip (Virtual), June 2020.
15. Shoulder Arthroscopy Peer-to-Peer Meeting. Mitek/Johnson & Johnson, San Diego, CA, Feb 2020.
16. Cartilage Transplant, Result are Fantastic. HSS Annual Alumni Association Meeting, New York, NY, Oct 2019.
17. Resident Seminar: Helping Find Your Practice. HSS Annual Alumni Association Meeting, New York, NY, Oct 2019.
18. Marrow Stimulation is Dead. ICRS 2019, Vancouver, CA, Oct 2019.
19. Self-Assembled, Scaffold-Free, Allogeneic Neocartilage for Articular Cartilage Repair. Midwest Orthopaedics at Rush, Chicago, IL, Oct 2019.
20. Self-Assembled, Scaffold-Free, Allogeneic Neocartilage for Articular Cartilage Repair. University of Pennsylvania Center for Cartilage Repair, Philadelphia, PA, Sept 2019.

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21. Self-Assembled, Scaffold-Free, Allogeneic Neocartilage for Articular Cartilage Repair. Mayo Clinic Grand Rounds, Rochester, MN, Sept 2019.
22. Moderator, Rapid Fire Session – Sports Medicine. WOA Annual Meeting, Monterey, CA, Aug 2019.
23. Knee Cartilage Restoration. UCI Department of Orthopaedic Surgery Annual Symposium, Huntington Beach, CA, May 2019.
24. Advances in Orthopaedic Surgery & Sports Medicine. UCI BME 1 – Introduction to Biomedical Engineering, Irvine, CA, Fall and Winter Quarters, 2018 – 2021
25. Sports Medicine Surgery. UCI Ambulatory Perioperative Education Day, Irvine, CA, Oct 2018.
26. The 5 Most Common Questions That Patients Ask Me. Chinese American Professional Association, Oct 2018.
27. Knee Evaluation with MRI Correlation. 12th Annual HSS Sports Medicine Symposium, New York, NY, Mar 2018.
28. Knee Evaluation with MRI Correlation. 11th Annual HSS Sports Medicine Symposium, New York, NY, Apr 2017.

IN THE MEDIA

1. “UCI open clinical trial of stem cell-derived therapy for knee arthritis” *UCI Health News*, Nov 2022. <https://www.ucihealth.org/news/2022/11/uci-opens-first-stem-cell-clinical-trial-to-treat-knee-arthritis>
2. “Bicyclist hospitalized for 33 days bonds with the driver who hit him” *The Orange County Register*, Jan 2020. <https://www.ocregister.com/2020/01/13/an-injured-bicyclist-bonds-with-the-driver-who-hit-him/>
3. “Clinically Meaningful Improvement After Treatment of Cartilage Defects of the Knee with Osteochondral Grafts” *AJSM Author Interview Videos*, Jan 2019. <https://journals.sagepub.com/page/ajs/suppl/video-author-interviews>
4. “Fellowship-trained surgeons are more likely to perform arthroscopic vs open distal clavicle excision” *Orthopedics Today*, Apr 2018.
5. “Infection risk after hip arthroscopy affected by timing of intra-articular hip injection” *Orthopedics Today*, Dec 2017.
6. “Fellowship-trained hand surgeons more likely to treat lateral epicondylitis with an open procedure” *Orthopedics Today*, May 2017.
7. “Precollegiate knee surgery associated with subsequent injury in college” *Orthopedics Today*, Oct 2016.
8. “Pre-Collegiate Surgery = Future Surgery?” *Orthopaedics This Week*, July 2015. <http://ryortho.com/2015/07/three-sports-med-news-items-new-guidelines-for-spine-injured-athletes-new-study-data-on-athlete-surgery-risk-and-more>

TEACHING & DOCTORAL COMMITTEES

Primary Care Sports Medicine Fellow Mentorship:

Rehan Talibi, DO	UCI, Class of 2023
Meghan Zomorodi, DO	UCI, Class of 2022
Ellexis Khan, MD	UCI, Class of 2021

Orthopaedic Surgery Resident Mentorship:

Hunter Bohlen, MD	UCI, Class of 2025
Justin Chan, MD	UCI, Class of 2025
Wilson Lai, MD	UCI, Class of 2024
Garwin Chin, MD	UCI, Class of 2023
Hayk Stepanyan, MD	UCI, Class of 2022
Bryan Mark, MD	UCI, Class of 2022
Nilay Patel, MD	UCI, Class of 2021
Michael Vrla, MD	UCI, Class of 2021

Doctoral Dissertation Committee:

Ryan Donahue, PhD (Biomedical Engineering)	UCI, Class of 2022
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Research Fellow Mentorship:

Theofilos Karasavvidis, MD	Aristotle University of Thessaloniki (Greece), Class of 2020
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Undergraduate, Graduate, and Medical Student Mentorship:

Deborah Wen	Medical Student	UCI, Class of 2025
Maziar Moslehyazdi	Medical Student	UCI, Class of 2025
<i>Dean's Summer Research Scholarship Award Recipient</i>		
Nate Fackler	Medical Student	Georgetown, Class of 2022
<i>WOA Annual Meeting Poster Award, 1st Place</i>		
Clara Riggle	Medical Student	UCI, Class of 2024
Kylie Callan	Medical Student	UCI, Class of 2024
<i>Dean's Summer Research Scholarship Award Recipient</i>		
Arya Amirhekmat	Medical Student	UCI, Class of 2022
Jaspal Bassi	Medical Student	UCI, Class of 2023
<i>Dean's Summer Research Scholarship Award Recipient</i>		
Robert Parker	Medical Student	UCSF, Class of 2022
Sarah Oyadomari	Medical Student	UCI, Class of 2022
Jaron Nazaroff	Medical Student	UCI, Class of 2022
<i>Dean's Summer Research Scholarship Award Recipient</i>		
Francesca Coxe	Medical Student	Cornell, Class of 2020
<i>AOSSM Annual Meeting Poster Award, 2nd Place</i>		

COURSES ATTENDED

AAOS/OREF/ORS Clinician Scholar Career Development Program, Rosemont, IL	2021
ASES Mentorship Program (Mentor: Brian Feeley, UCSF)	2019
Ossur Medical Congress 2019, London, UK	2019
Arthrex West Coast Orthopedic Technology & Innovation Forum, La Jolla, CA	2019
Stryker Advanced Hip Arthroscopy Meeting, Las Vegas, NV	2019

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Stryker Advanced Hip Arthroscopy Meeting, Las Vegas, NV	2018
Arthrex Sports Medicine Fellowship Forum, Naples, FL	2018
ORS/OREF Grant Writing Course, New Orleans, LA	2018
Stryker Fellows Hip Arthroscopy Course, Las Vegas, NV	2017
DJO Advances in Shoulder Arthroplasty, Las Vegas, NV	2016
Smith & Nephew Contemporary Solutions in Joint Surgery, Newport Beach, CA	2016
DePuy Synthes Fellows Arthroscopy Forum West, Henderson, NV	2016
DePuy Synthes Fundamentals of Shoulder Arthroscopy, Phoenix, AZ	2015
AO Advanced Principles of Fracture Management, Bellevue, WA	2015
ICJR 3 rd Annual Shoulder Course, Las Vegas, NV	2014
ICJR Orthopaedic Resident Training Initiative West, Los Angeles, CA	2014
AO Basic Principles of Fracture Management, Sun Valley, ID	2013