

David J. Wright MD, MS

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EDUCATION

Hand and Microsurgery Fellowship Washington University St. Louis Department of Orthopaedic Surgery	2022-2023
Residency - Orthopaedic Surgery University of California, Irvine Class of 2022 Research Resident 2018-2019 Administrative Chief Resident 2021-2022	2016-2022
California Fluoroscopy Supervisor and Operator	2022-Present
M.D. University of California, Irvine	2016
M.S., Biomedical and Translational Science University of California, Irvine	2015
BA Molecular Cell Biology with Honors Emphasis in Biochemistry University of California, Berkeley	2010

AWARDS AND HONORS

2022 Resident Teaching Award

2021 AOA - McCollister Evarts Resident Leader

2019 Neer Award Manuscript Co-Author

- "Analysis of Human Muscles of the Shoulder and Upper Extremity: A Temporal Profile of Human Motor Endplate Degradation after Nerve Injury"

2018 AO Trauma North America Resident Research Grant Recipient

- "Supplemental Fixation of Supracondylar Distal Femur Fractures: A Biomechanical Comparison of Dual Plating and Combined Nail-Plate Fixation Techniques"

2014 Scoliosis Research Society Grant Recipient

- "Investigating Cost Variation within Spinal Fusion Payment Groups"

2012 University of California Irvine School of Medicine Basic Science Award

2010 BA Molecular and Cell Biology with Honors

RESEARCH POSITIONS

Research Resident, July 2018-July 2019

- Peripheral Nerve Research Laboratory, University of California Irvine. Principal investigator: Dr. Ranjan Gupta, MD
- Orthopaedic Biomechanics Laboratory, Tibor Rubin VA Medical Center, Long Beach, CA. Principal investigator: Dr. Thay Lee, PhD

Masters Thesis, Jun. 2014 - Jun. 2015, University of California Irvine, CA

- “Investigating Cost Variation within Spinal Fusion Payment Groups” Committee: Dr. Samuel Bederman, MD, PhD, FRCSC (Chair), Dr. Dana B. Mukamel, PhD, Dr. Sheldon Greenfield, MD

Undergraduate Honors Thesis Research, Biochemistry 2008-2010, University of California Berkeley

- “Paracrine Signaling and Kinetic Characterization of Human Vascular Adhesion Protein-1 (HVAP-1).” Faculty Mentor and Thesis Advisor: Dr. Judith Klinman, Ph.D., Department of Chemistry

PUBLICATIONS

- Jackson TJ, **Wright DJ**, Long C, Truong V, Adamson G, McGarry MH, Lee TQ, “The Gluteus Medius Experiences Significant Excursion With Hip Flexion” *Arthroscopy, Sports Medicine, and Rehabilitation*, Volume 5, Issue 4, 2023
- Gupta R, Jung J, Johnston TR, **Wright DJ**, Uong J, Lim PK, Shafiq B, Navarro RA. “Surgeon-Specific Factors Have a Larger Impact on Decision-Making for the Management of Proximal Humerus Fractures than Patient-Specific Factors: A Prospective Cohort Study.” *J Shoulder Elbow Surg.* 2023 Jan 20:S1058-2746(23)00025-3. doi: 10.1016/j.jse.2022.12.016. Epub ahead of print. PMID: 36690172.
- Scolaro JA, **Wright DJ**, Lai W, Fraipont G, Hitchens H, Kwak D, McGarry M, Lee TQ. Fixation of Extra-articular Proximal Tibia Fractures: Biomechanical Comparison of Single and Dual Implant Constructs. *J Am Acad Orthop Surg.* 2022 Jul 1;30(13):629-635. doi: 10.5435/JAAOS-D-21-01089. Epub 2022 Apr 19. PMID: 35442912.
- **Wright, D.J.**, Desnato, D.J., McGarry, M.H., Lee, T.Q., Scolaro, J.A. “Nail Diameter Significantly Impacts Stability in Combined Plate-Nail Constructs Used for Fixation of Supracondylar Distal Femur Fractures” *OTA International*, March 2022 - Volume 5 - Issue 1 - p e174
- Scolaro, J.A., Chalmers, C.E., **Wright, D.J.**, McGarry, M.H., Lee, T.Q. “Suture Augmentation Neutralizes Deforming Muscular Forces in a Two-part Osteoporotic Proximal Humeral Fracture Model” *Journal of Orthopaedic Trauma.* 2022 Feb 11.
- **Wright, D.J.**, Etiz B., Scolaro J.A. “Combined plate and nail fixation of bicondylar tibial plateau fractures.” *Injury.* 2021 Jul 9
- Chalmers, C.E., **Wright, D.J.**, Patel, N., Hitchens, H., McGarry, M.H., Lee, T.Q., Scolaro, J.A. “Muscular Forces Responsible for Proximal Humeral Deformity Following Fracture” *Journal of Orthopaedic Trauma*, April 13, 2021
- Shafiq, B., Hacquebord, J., **Wright, D.J.**, Gupta, R., “Modern Principles in the Acute Operative Management of Open Distal Tibia Fractures” *Journal Am. Acad. Orthop. Surg.*, March 31, 2021

- **Wright, D.J.**, Patel, N.A., McGarry, M.H., Lee, T.Q, Scolaro, J.A. “Optimal Fixation of the Capitellar Fragment in Distal Humerus Fractures” *Journal of Orthopaedic Trauma*, Accepted for publication Nov. 10, 2020
- Gupta, R., Chan, J.P., Uong, J., Palispis, W.A., **Wright, D.J.**, Shah, S.B., Ward, S.R., Lee, T.Q., Steward, O. “Human Motor Endplate Remodeling After Traumatic Nerve Injury” *J. Neurosurg*, 2020 Publish Ahead of Print
- The ASSH Surgical Simulation Taskforce, **Wright, D.J.**, Uong, J. “Establishing Validity of a Comprehensive Hand Surgical Training and Educational Platform (STEP)” *J Hand Surg Am*. 2020 Sep 30:S0363-5023(20)30434-2.
- **Wright, D.J.**, Desanto, D.J., McGarry, M.H., Lee, T.Q, Scolaro, J.A. “Supplemental Fixation of Supracondylar Distal Femur Fractures: A Biomechanical Comparison of Dual-Plate and Plate-Nail Fixation Techniques” *J Orthop Trauma*. 2020 Aug;34(8):434-440.
- **Wright, D.J.**, Bui, C.B., Inh, H., McGarry, M.H., Lee, T.Q, Scolaro, J.A., “Posterior Comminution Significantly Affects Construct Stability in Vertically Oriented Femoral Neck Fractures: A Biomechanical Study” *Journal of Orthopaedic Trauma*, May 23, 2020, Publish Ahead of Print
- **Wright, D.J.**, Bariteau, J.T. Hsu, A.H. “Advances in the Surgical Management of Ankle Fractures” *Foot and Ankle Orthopaedics* (2019) 4.4: 10,1
- **Wright, D.J.**, Mukamel, D.B., Greenfield, S., Bederman, S.S. “Cost Variation Within Spinal Fusion Payment Groups.” *Spine* (2016) 41.22: 1747-1753.
- **Wright, D.J.**, Hoang, M., Sofine, A., Silva, J. Schwarzkopf, R. “Pain catastrophizing as a predictor for postoperative pain and opiate consumption in total joint arthroplasty patients.” *Arch Orthop Trauma Surg*. (2017) 137(12):1623-1629.
- Trasolini, N., **Wright, D.J.**, McGarry, M.H., Lee, T.Q., Hatch, G.F. "Posterior Cruciate Ligament Reconstruction with Internal Brace Augmentation Reduces Posterior Tibial Translation Under Cyclic Loading" *Orthopedics*, Accepted for publication
- Han, Y.S., Lee, T.Q, **Wright, D.J.**, Park, I.J., Maniglio, M., McGarry, M.H., Lee, H.J., Kim, Y.S, “Effect of Biceps Re-routing Technique to Restore Glenohumeral Joint Stability for Massive Rotator Cuff Tears: A Cadaveric Biomechanical Study” *JSES* 2020 Feb 17. pii: S1058-2746(19)30794-3.
- Haghverdian, B., **Wright, D.J.**, Doan, L., Tran, D., Schwarzkopf, R. “Gait Training in Patients Discharged to a Skilled Nursing Facility Following Total Joint Arthroplasty” *Geriatric Orthopaedic Surgery & Rehabilitation* (2016) 7.1:33-38
- Haghverdian, B., **Wright, D.J.**, Schwarzkopf, R. “Length of Stay in Skilled Nursing Facilities Following Total Joint Arthroplasty” *The Journal of Arthroplasty* (2017) 32(2):367-374.
- Chin, G., **Wright, D.J.**, Snir, N., Schwarzkopf, R. “Primary vs Conversion Total Hip Arthroplasty: A Cost Analysis” *The Journal of Arthroplasty* (2016) 31.2:362-367
- Haghverdian, B., **Wright, D.J.**, Schwarzkopf, R. “Pressure Pain Threshold as a Predictor of Acute Postoperative Pain Following Total Joint Arthroplasty” *Surgical Technology International* (2016) 29:320-327
- Iwuchukwu, C., **Wright, D.J.**, Sofine, A., Schwarzkopf R. “Can a Total Knee Arthroplasty Perioperative Surgical Home Close the Gap Between Primary and Revision TKA Outcomes?” *Am J. Orthop* (2016) 45(7):E458-E464.

- Jung, J., Johnston, T.R., **Wright, D.J.**, Shafiq, B., Navarro, R., Lim, P.K., Uong, J., Gupta, R. “Surgeon-Specific Factors and Initial Radiographs Have the Largest Impact on Decision-Making for the Management of Proximal Humerus Fractures” *JAMA*, manuscript in submission
- Scolaro, J.A., **Wright, D.J.**, Etiz, B. “Synopsis of Knee Surgery, Chapter 11: Fractures about the Knee,” Chapter in submission

PRESENTATIONS

- **Wright, D.J.**, Lai, W., McGarry, M.H., Lee, T.Q., Scolaro, J.A. “Fixation of Extra-Articular Proximal Tibia Fractures: Biomechanical Comparison of Single and Dual-Implant Constructs” Poster Presentation AAOS Annual Meeting 2022 – Chicago, IL
- **Wright, D.J.**, Patel, N., McGarry, M.H., Lee, T.Q., Scolaro, J.A. “Optimal Fixation Of The Capitellar Fragment In Distal Humerus Fractures” Podium Presentation, AAOS Annual Meeting 2021 – San Diego, CA
- **Wright, D.J.**, Etiz, B., Scolaro, J.A. “Combined Plate-Nail Fixation of Intra-Articular Proximal Third Tibia Fractures” Virtual Presentation, OTA Annual Meeting, 2020
- **Wright, D.J.**, Desanto, D.J., McGarry, M.H., Lee, T.Q., Scolaro, J.A. “Supplemental Fixation of Supracondylar Distal Femur Fractures: A Biomechanical Comparison of Dual-Plate and Plate-Nail Fixation Techniques” *Journal of Orthopaedic Trauma*, Accepted for Podium Presentation, AAOS Annual Meeting 2020 – Meeting cancelled due to COVID-19
- **Wright, D.J.**, McGarry, M.H., Lee, T.Q., Jackson, T.J. “Postoperative Range of Motion Protocol Following Arthroscopic Gluteus Medius and Minimius Repair: An Anatomic Study” Virtual Podium Presentation, WOA Annual Meeting 2020
- **Wright, D.J.**, Patel, N., McGarry, M.H., Lee, T.Q., Scolaro, J.A. “Optimal Fixation Of The Capitellar Fragment In Distal Humerus Fractures” Virtual Podium Presentation, WOA Annual Meeting 2020
- **Wright, D.J.**, Desanto, D.J., McGarry, M.H., Lee, T.Q., Scolaro, J.A. “Supplemental Fixation of Supracondylar Distal Femur Fractures: A Biomechanical Comparison of Dual-Plate and Plate-Nail Fixation Techniques” Podium Presentation OTA Annual Meeting 2019, Denver, CO.
- **Wright, D.J.**, Desanto, D.J., McGarry, M.H., Lee, T.Q., Scolaro, J.A. “Supplemental Fixation of Supracondylar Distal Femur Fractures: A Biomechanical Comparison of Dual-Plate and Plate-Nail Fixation Techniques” Podium Presentation WOA Annual Meeting 2019, Monterey, CA.
- **Wright, D.J.**, Desanto, D.J., McGarry, M.H., Lee, T.Q., Scolaro, J.A. “Supplemental Fixation of Supracondylar Distal Femur Fractures: Nail Diameter Significantly Impacts Construct Stability in Combined Plate-Nail Constructs” Rapid Fire Presentation WOA 2019 Annual Meeting, Monterey, CA.
- Reavey, P., Hazel, A., **Wright, D.J.**, Uong, J., Fox, P., LaPorte, D., Bozentka, D., Moore, A., Calfee, R., Rozental, T., Kakar, S., Hacquebord, J., Fufa, D., Clune, J., Gupta R. “ASSH Surgical Simulation Introduction” Podium Presentation, ASSH Annual Meeting 2019, Las Vegas, NV.
- Patel, N., **Wright, D.J.**, McGarry, M.H., Lee, T.Q., Scolaro, J.A. “Optimal Fixation Of The Capitellar Fragment In Distal Humerus Fractures” Podium Presentation, ASES Annual Meeting 2019, New York, NY

- Jackson, T.J., **Wright, D.J.**, McGarry, M.H., Lee, T.Q. “Postoperative Range of Motion Protocol Following Arthroscopic Gluteus Medius and Minimus Repair: An Anatomic Study” Poster Presentation, ISHA Annual Meeting 2019, Madrid, Spain
- Maniglio, M., Park, I.J., Fraipont, W., Flueckiger, R., **Wright, D.J.**, Kuenzler, M., Bolliger, L. Matthias Zumstein, M., McGarry, M.H., Lee, T.Q. “Comparison of Ulnar Styloid Fracture Repair Techniques On The Stability Of The Distal Radio-Ulnar Joint” Presented, IFSSH 2019 Annual Meeting, Berlin, DE.
- Maniglio, M., Park, I.J., Fraipont, W., Flueckiger, R., **Wright, D.J.**, Kuenzler, M., Bolliger, L. Matthias Zumstein, M., McGarry, M.H., Lee, T.Q. “Critical Size of Ulnar Styloid Fracture That Leads To Instability Of The Distal Radio Ulnar Joint” Presented, IFSSH 2019 Annual Meeting, Berlin, DE.
- **Wright, D.J.**, Mukamel, D., Greenfield, S., Bederman, S. “Investigating Cost Variation Within Spinal Fusion Payment Groups.” Poster Presentation, WOA Annual Meeting 2015, Coeur d’Alene, ID
- **Wright, D.J.**, Mukamel, D., Greenfield, S., Bhatia, N., Bederman, S. “Validation of the ICD-9 Invasiveness Index for Spinal Fusion Surgery” Rapid Fire Presentation, WOA Annual Meeting 2016, Indian Wells, CA.

BOARD AND EDITORIAL POSITIONS

- 2019-2022 - Resident Board Member – Western Orthopaedic Association Board of Directors
- 2021-Present - Reviewer – Journal of Hand Surgery

COURSES AND CONFERENCES ATTENDED

- 2022 ASSH Annual Meeting, Boston, MA
- 2021 ASSH Annual Meeting, San Francisco, CA
- 2021 AOA – McCollister Evarts Resident Leadership Forum
- 2021 AAOS Annual Meeting, San Diego, CA
- 2020 Ganga Hospital Microsurgery Course, Ganga Microsurgery Training Institute, Coimbatore, India
- 2020 Ganga Hospital Clinical Observership, Coimbatore, India
- 2020 Interdisciplinary Conference on Orthopedic Value-Based Care, Newport Beach, CA
- 2019 OTA Annual Meeting, Denver, CO
- 2019 WOA Annual Meeting, Monterey, CA
- 2019 AAOS Annual Meeting, Las Vegas, NV
- 2019 Interdisciplinary Conference on Orthopedic Value-Based Care, Newport Beach, CA
- 2018 AO Trauma – Hand and Wrist Fracture Management Course, Irvine, CA
- 2018 Interdisciplinary Conference on Orthopedic Value-Based Care, Newport Beach, CA
- 2017 AO Basic Principles of Fracture Management, Dallas Tx
- 2016 WOA Annual Meeting, Indian Wells, CA
- 2015 WOA Annual Meeting, Coeur d’Alene, ID

GLOBAL HEALTH EXPERIENCE

- 2022 ASSH Touching Hands/World Pediatric Project – St. Vincent and the Grenadines
- 2013 Floating Doctors – Bocas Del Toro, Panama

WORK EXPERIENCE

- 2012-2015 Anatomy Tutor, UC Irvine Medical School
- 2010-2011 Engineering Technician, Wright Scientific Optical Engineering
- 2007-2010 City of San Diego Fire Department Ocean Lifeguard