

# Steven Yang, M.D., M.B.A.

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## ACADEMIC APPOINTMENTS

9/2020 – Present      **University of California Irvine School of Medicine, Irvine CA**  
Assistant Professor, Department of Orthopaedic Surgery

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## CLINICAL APPOINTMENTS

9/2020 - Present      **UCI Health, Orange CA**  
Attending Surgeon, Department of Orthopaedic Surgery  
Division of Arthroplasty

11/2020 - 7/2022      **VA Long Beach Healthcare System, Long Beach CA**  
Attending Surgeon, Department of Orthopaedic Surgery

8/2019 - 7/2020      **Columbia University Medical Center, New York NY**  
Assistant Attending Physician  
Department of Orthopedic Surgery  
New York Presbyterian Hospital - Columbia

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## PROFESSIONAL TRAINING

8/1/2019 – 7/30/2020      **Columbia University Medical Center, New York NY**  
Assistant in Clinical Orthopedic Surgery  
Postdoctoral Clinical Fellow  
Adult Hip & Knee Reconstruction Fellowship  
Department of Orthopedic Surgery

6/23/2014 – 6/30/2019      **Harbor-UCLA Medical Center, Torrance CA**  
Resident in Orthopaedic Surgery

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## EDUCATION

8/20/2009 – 5/10/2014      **University of Miami Miller School of Medicine (UMMSM), Miami FL**  
Doctorate of Medicine Candidate, Class of 2014  
Human Genetics and Genomics Four-Year Pathway

8/1/2012 - 6/15/2013      **University of Miami School of Business Administration, Miami FL**  
Master of Business Administration  
Concentration: Health Sector Policy and Management

9/22/2008 – 6/14/2009 **University of California, San Diego (UCSD), La Jolla CA**  
Master of Science in Molecular Biology

9/20/2004 – 6/14/2009 **University of California, San Diego (UCSD), La Jolla CA**  
Bachelor of Science in Bioinformatics

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## LICENSURE & BOARD CERTIFICATION

2022 American Board of Orthopaedic Surgery Part II Examination  
2019 American Board of Orthopaedic Surgery Part I Examination  
2015 - present California Medical License #A138776  
2019 - 2021 New York Medical License #297725-1  
2019 - 2021 New Jersey Medical License #25MA10561000  
2019 - present California Fluoroscopy X-ray Supervisor and Operator #RHC00203279  
2015 USMLE Step III  
2013 USMLE Step II  
2011 USMLE Step I  
  
2021 - 2023 ACLS/BLS Certified

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## PUBLICATIONS: PEER-REVIEWED

Lung BE, Karasavvidis T, Amirhekmat, A, Sharma AK, Stepanyan H, McMaster WC, **Yang S**, So DH. Cryoneurolysis is a Safe, Effective Modality to Improve Rehabilitation After Total Knee Arthroplasty. *Life Journal: Orthopaedic Trauma and Reconstruction*. 2022, 12, 1344.

Lung BE, Taha TM, Donnelly MR, Callan K, McLellan M, Lai WC, So DH, McMaster WC, **Yang S**. “Prior Diagnosis of COVID has no Increased Complications in Total Joint Arthroplasty”. *Cureus*. 2022. DOI: 10.7759/cureus.27974

Taka, T. M., Lung, B., Stepanyan, H., So, D., & **Yang, S.** (2022). Orthopedic Treatment of Pycnodysostosis: A Systematic Review. *Cureus*, 14(4).

Lung BE, Kim M, Callan K, McLellan M, Wang ED, McMaster WC, **Yang S**, So DH. “Preoperative Dehydration is an Under-Recognized Modifiable Risk Factor in Total Hip Arthroplasty”. *Journal of Surgical Orthopaedic Advances*. Accepted 2022

Lung BE, Le R, Callan K, McLellan M, Issagholian L, Yi J, McMaster WC, **Yang S**, So DH. Chlorhexidine gluconate lavage during total joint arthroplasty may improve wound healing compared to dilute betadine. *J Exp Orthop*. 2022 Jul 10;9(1):67. doi: 10.1186/s40634-022-00503-w. PMID: 35819733

Schneiderman, B. A., **Yang, S.**, Dipane, M., Lu, C., McPherson, E. J., & Schmalzried, T. P. (2021). Periprosthetic Tissue Reaction Independent of LTT Result and Implanted Materials in Total Knee Arthroplasty. *The Journal of Arthroplasty*.

**Yang S.**, Dipane M., Lu C., Schmalzried TP., McPherson EJ., (2019) Lymphocyte Transformation Testing in Painful Total Knee Arthroplasty: Little Relationship to Histopathology and Clinical Outcomes. *Journal of Bone and Joint Surgery (JBJS)*, 101(3):257-264. doi: 10.2106/JBJS.18.00134.

Ouellette, E., **Yang, S.**, Morris, J., Makowski, A. L., & Fung, W. (2014, July). Outcome study of arthroscopic decompression of the lunate in Kienböck's Disease. In *Orthopaedic Proceedings* (Vol. 96, No. SUPP\_11, pp. 351-351). The British Editorial Society of Bone & Joint Surgery.

Trakhtenberg, E. F., Wang, Y., Morkin, M. I., Fernandez, S. G., Mlacker, G. M., Shechter, J. M., Liu, X., Patel, K.H., Lapins, A., **Yang, S.**, Dombrowski, S.M., Goldberg, J.L. (2014). Regulating Set-β's subcellular localization toggles its function between inhibiting and promoting axon growth and regeneration. *Journal of Neuroscience*, 34(21), 7361-7374.

Ledon, J. A., Savas, J. A., **Yang, S.**, Franca, K., Camacho, I., & Nouri, K. (2013). Inflammatory nodules following soft tissue filler use: a review of causative agents, pathology and treatment options. *American journal of clinical dermatology*, 14(5), 401-411.

**Yang, S.**, Liu, S., Wang, Y., Wan, H., Zhao, D., Li, Y., ... & Hu, D. Y. (2011). High blood pressure in Chinese ethnic minorities: report from rural Yunnan province. *American journal of hypertension*, 24(11), 1209-1214.

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#### **PUBLICATIONS: SUBMITTED**

Lung BE, Donnelly M, McLellan M, Callan K, Amirhekmat A, McMaster WC, **Yang S**, So DH. Kinematic Alignment May Reduce Opioid Consumption and Length of Stay in Total Knee Arthroplasty. *Journal of Orthopaedic Surgery*. Accepted 7/2022

Lung BE, Le R, McLellan M, Callan K, Donnelly M, Yi J, Birring P, McMaster WC, **Yang S**, So DH. Repeat High-Dose Dexamethasone May Improve Recovery 48 Hours After Total Hip Arthroplasty. *Archives of Bone and Joint Surgery*. Accepted 7/2022

Lung BE, Callan K, McLellan M, Kim M, Yi J, McMaster WC, **Yang S**, So DH. The Impact of Dehydration on Short-Term Postoperative Complications in Total Knee Arthroplasty. *BMC Musculoskeletal Disorders*. Under Review

Lung BE, Donnelly M, Callan K, McLellan M, McMaster WC, **Yang S**, So DH. Modifiable Risk Factors for Periprosthetic fractures in Total Joint Arthroplasty. *Arthroplasty Today*. Under Review

Lung BE, Donnelly M, Callan K, McLellan M, Taka TM, McMaster WC, So DH, **Yang S**. Preoperative Demographics and Laboratory Markers may Predict Early Dislocation After Total Hip Arthroplasty. *Journal of Orthopaedic Surgery and Research*. Under Review

Lung BE, Kim M, McLellan M, Callan K, Wang ED, McMaster WC, **Yang S**, So DH. Alkaline Phosphatase is an Independent Risk Factor for Periprosthetic Fractures in Total Joint Arthroplasty. *JAAOS Global Research and Reviews*. Under review

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#### **PUBLICATIONS: OTHER**

**Yang, S.** (2009). *Designing and characterizing artificial transcription factors targeting critical embryonic stem cell self-renewal and pluripotency genes in somatic cells* (Doctoral dissertation, UC San Diego).

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## BOOK CHAPTERS

(In press) **Yang, S.**, Neuwirth, A., Unger, T., Cooper, H.J. The Direct Anterior Approach Without Use of Traction Table. *The Direct Anterior Approach to Hip Reconstruction*. Slack Incorporated (2021)

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## PRESENTATIONS

Lung BE, Kim M, McLellan M, Callan K, Wang ED, McMaster WC, **Yang S**, So DH. “Alkaline Phosphatase is an Independent Risk Factor for Periprosthetic Fractures in Total Joint Arthroplasty”. *Orthopaedic Research Society Annual Meeting Tampa, FL 2022*

**Yang, S.** “Knee OA in the young patient: UKA vs HTO (Just Do Arthroplasty)” *Sports Medicine and Joint Preservation Symposium*. Newport Beach, CA 2022

Lung BE, Le R, Callan K, McLellan M, Issagholian L, Yi J, McMaster WC, **Yang S**, So DH. “Chlorhexidine gluconate lavage during total joint arthroplasty may improve wound healing compared to dilute betadine”. *Clinical Orthopaedic Society 110th Annual Meeting San Antonio, TX 2022*.

Lung BE, Le R, McLellan M, Callan K, Donnelly M, Yi J, Birring P, McMaster WC, **Yang S**, So DH. “Repeat High-Dose Dexamethasone May Improve Recovery 48 Hours After Total Hip Arthroplasty”. *Western Orthopaedic Society Annual Meeting Maui, HI 2022*

Lung BE, Karasavvidis T, Callan K, McLellan M, So DH, McMaster WC, **Yang S**. “Modifiable Preoperative Risk Factors Predict Postoperative Complications in Revision Joint Arthroplasty with Antibiotic- Loaded Spacers”. *European Society of Sports Traumatology, Knee Surgery and Arthroscopy (ESSKA) Congress Annual Meeting Paris, France 2022*

Lung BE, Kim M, McLellan M, Callan K, Wang ED, McMaster WC, **Yang S**, So DH. “Preoperative Dehydration is an Under-Recognized Modifiable Risk Factor in Total Joint Arthroplasty”. *Orthopaedic Research Society Annual Meeting Tampa, FL 2022*

Lung BE, Le R, McLellan M, Callan K, Donnelly M, Yi J, Birring P, McMaster WC, **Yang S**, So DH. “Repeat High-Dose Dexamethasone May Improve Recovery 48 Hours After Total Hip Arthroplasty”. *Clinical Orthopaedic Society 110th Annual Meeting San Antonio, TX 2022*.

Lung BE, Donnelly M, McLellan M, Callan K, Amirhekmat A, McMaster WC, **Yang S**, So DH. “Kinematic Alignment May Reduce Opioid Consumption and Length of Stay in Total Knee Arthroplasty.” *Clinical Orthopaedic Society 110th Annual Meeting San Antonio, TX 2022*

Lung BE, Donnelly M, Callan K, McLellan M, McMaster WC, **Yang S**, So DH. “Modifiable Risk Factors for Periprosthetic fractures in Total Joint Arthroplasty.” *Clinical Orthopaedic Society 110th Annual Meeting San Antonio, TX 2022*. Winner of Resident/Fellow Rapid Fire Presentation Award

Lung BE, Karasavvidis T, Amirhekmat, A, Sharma AK, Stepanyan H, McMaster WC, **Yang S**, So DH. “Cryoneurolysis is a Safe, Effective Modality to Improve Rehabilitation After Total Knee Arthroplasty.” *Clinical Orthopaedic Society 109th Annual Meeting Nashville, TN 2021*.

Lung BE, Karasavvidis T, Callan K, McLellan M, So DH, McMaster WC, **Yang S**. “Modifiable Preoperative Risk Factors Predict Postoperative Complications in Revision Joint Arthroplasty with

Antibiotic- Loaded Spacers”. *Western Orthopaedic Society Annual Meeting* Maui, HI 2022

Lung BE, Karasavvidis T, Amirhekmat, A, Sharma AK, Stepanyan H, McMaster WC, **Yang S**, So DH. “Cryoneurolysis is a Safe, Effective Modality to Improve Rehabilitation After Total Knee Arthroplasty.” *Western Orthopaedic Association Annual Meeting* Virtual 2021.

**Yang, S.** *What’s new in Hip and Knee Replacement.* University of California, Irvine – Rheumatology Grand Rounds. Orange, CA. June 10, 2021.

**Yang, S.** *Alignment in Total Knee Arthroplasty.* University of California, Irvine – Orthopaedic Grand Rounds. Orange, CA, April 1, 2021.

**Yang, S.** *Prosthetic Joint Infection with M. Tuberculosis.* Tuberculosis Rounds, UCI/Orange County Health Care Agency. November 20, 2020.

**Yang, S.** *Primary Total Knee Arthroplasty.* University of California, Irvine – Orthopedic Grand Rounds, Orange, CA. October 22, 2020.

**Yang, S.** *Revision Hip and Knee Arthroplasty.* University of California, Irvine – Orthopedic Grand Rounds. Orange, CA. October 8, 2020.

**Yang, S.** *Metal Allergy in Total Knee Replacement.* Columbia University Medical Center – Orthopedic Grand Rounds. New York, NY. June 2020.

Schneiderman, B. A., **Yang, S.**, McPherson, E. J., Dipane, D., Lu, C., and Schmalzried, T. *Periprosthetic Tissue Reaction Independent of Lymphocyte Transformation Testing Result and Implanted Materials in Total Knee Arthroplasty.* Western Orthopaedic Association Annual Meeting. Monterey, CA. August 2019.

**Yang S.**, Dipane M., Lu C., Schmalzried TP., McPherson EJ. *Lymphocyte Transformation Testing in Painful Total Knee Arthroplasty: Little Relationship to Pathology and Clinical Outcomes.* American Academy of Orthopaedic Surgeons Annual Meeting. Las Vegas, NV. June 2017.

**Yang, S.** *Metal Sensitivity in Total Knee Arthroplasty.* 40<sup>th</sup> Dana M. Street Scientific Program. June 2017.

**Yang, S.** *The Role of Arthroscopy in the Treatment of Degenerative Meniscal Injury.* Orthopedic Grand Rounds, Kaiser Permanente – West Los Angeles. August 2017.

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## COMMUNITY TALKS

**Yang, S.** *Hip and Knee Pain (and Joint Replacement)* Yorba Linda, CA. July 1, 2022.

**Yang, S.** *Hip and Knee Replacement in 2021: The Leading Edge.* Medicine in our Backyard - Newport Beach Library Foundation. Newport Beach, CA. May 24, 2021.

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## POSTERS

Lung BE, Kim M, McLellan M, Callan K, Wang ED, McMaster WC, **Yang S**, So DH. “Alkaline

Phosphatase is an Independent Risk Factor for Periprosthetic Fractures in Total Joint Arthroplasty”. *HSS 33rd Annual Hip & Knee Meeting NY 2021*

Lung BE, Kim M, McLellan M, Callan K, Wang ED, McMaster WC, **Yang S**, So DH. “Preoperative Dehydration is an Under-Recognized Modifiable Risk Factor in Total Joint Arthroplasty”. *HSS 33rd Annual Hip & Knee Meeting NY 2021*

Gazgali A., Held M.B., **Yang S.**, Shah R.P., Geller J.A., Cooper H.J. *Comparison of Anterior and Posterior Approaches on Post-Operative Outcomes following Revision Total Hip Arthroplasty*. American Academy of Hip and Knee Surgeons (AAHKS) Annual Meeting, Dallas, TX. November 2021

Schneiderman, B. A., **Yang, S.**, McPherson, E. J., Dipane, D., Lu, C., and Schmalzried, T. *Periprosthetic Tissue Reaction Independent of Lymphocyte Transformation Testing Result and Implanted Materials in Total Knee Arthroplasty*. American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV. June 2019.

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## TEACHING

**July 1, 2022** UCI Orthopedic surgery intern bootcamp – total and total knee replacement

**June 22, 2021** UCI Joints Conference – Value-based healthcare, bundled payments

**2011 – 2014** University of Miami Clinical Skills Trainer

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## LEADERSHIP

**2016 – 2019** AAOS Residency Delegate - Harbor-UCLA Orthopedic Surgery

**2015 – 2016** Resident Representative – Graduate Medical Education Committee (GMEC)

**2015 – 2019** Harbor-UCLA QI Committee – Radiographs and Total Joints pathways

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## COMMUNITY SERVICE

**2013 – 2014** University of Miami Academic Society Community Service Coordinator

**2012** **Be the Match, Bone Marrow Registration Drive**  
Collaborated with the National Marrow Donor Program, the Community Blood Centers of Florida, Inc., and the Asian American Medical Students Association to recruit bone marrow donors.

**2009 – 2014** **University of Miami Department of Community Service (DOCS)**  
Served as volunteer and station manager for Department of Community Service annual health fairs and the student-run clinics. Worked at annual health fair events in Little Haiti, Hialeah, Key West, Big Pine, and South Dade. Helped to provide both general and specialty-related checkups, provided free of charge to the community.

**2009** **Public health student clerkship, China California Heart Watch**

Traveled to rural towns in Yunnan Province, China with the non-profit organization China California Heart Watch in order to provide general primary care to the underserved local population. Screened for and treated chronic diseases such as hypertension, and worked with local hospitals to raise money for surgical correction of congenital heart disease.

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**AWARDS**

- 2020**      **Current Concepts Foundation Scholarship**  
Awarded to attend CCJR Spring meeting.
- 2016**      **Consultant of the Year**  
Harbor-UCLA, PGY-2
- 2013**      **University of Miami Graduate Business Plan Competition**  
Semi-finalist in the graduate school business plan competition.