

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. **DO NOT EXCEED FIVE PAGES.**

NAME: **CHEUNG, EMILIE V**

eRA COMMONS USER NAME (credential, e.g., agency login):

POSITION TITLE: **Associate Professor, Orthopedic Surgery**

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

| INSTITUTION AND LOCATION | DEGREE (if applicable) | Completion Date MM/YYYY | FIELD OF STUDY |
|--|---------------------------|----------------------------|-----------------------|
| UCLA, Los Angeles, CA | B.S. | 06/1996 | Physiological Science |
| New York Medical College, Valhalla, NY | M.D. | 06/2000 | Medicine |

A. PERSONAL STATEMENT

I have been involved in basic science and clinical research for over 10 years, at the PI and Co-PI level. I am an active clinician with interest in soft tissue injury, repair and reconstruction. I am a recognized clinician scientist in sports medicine and shoulder surgery, and as you know, I am an active member of the American Shoulder and Elbow Surgeon's society (among others). Combining my clinical skills and expertise, I believe that I can contribute to your lab and research project for in vivo evaluation, leading to a lengthy collaboration of clinically relevant research. This work has global implications to patients with a myriad of musculoskeletal problems throughout the body. I have worked in many interdisciplinary groups for research with very productive outcomes. I feel that this team is suited well for success.

B. POSITIONS AND HONORS**Positions and Employment****Positions**

2000-2005 Internship and Residency in Orthopedic Surgery, Drexel University, Philadelphia, PA
 2005-2006 Fellowship in Shoulder Elbow Surgery, Mayo Clinic, Rochester, MN
 9/1/2006 - Present Associate Professor, Chief of Shoulder Elbow Surgery, Department of Orthopedic Surgery, Stanford University, Stanford, CA

Honors and Awards

1992-1993 UCLA Dean's List
 1993-1996 UCLA Departmental Honors, Physiological Scienc
 1993-1996 Golden Key National Honor Society
 1993-1996 Alpha Lambda Delta National Honor Society
 1993-1996 Phi Eta Sigma National Honor Society
 2002 First Place Award, Drexel Orthopedics Residents Research Day
 2004 Third Place Award, Drexel Orthopedics Residents Research Day
 2004 AOA-Zimmer Residents Leadership Forum
 2005 Second Place Award, Drexel Orthopedics Residents Research Day
 2005 First Place Award, Residents' Bowl, Philadelphia Orthopedic Society
 2012 Stanford University Department of Orthopedic Surgery Research Founders Day Award, Primary Investigator for resident

- 2013 Stanford University Department of Orthopedic Surgery Research Founders Day Award, Primary Investigator for resident
- 2015 Western Orthopaedic s Organization (WOA) Young Investigators Award Recipient. Coeur D'Alene, ID July 2015.
- 2015 California Orthopedic Association (COA) Annual Meeting, Palm Desert, April 15, 2015. Lloyd W. Taylor, M.D. Resident Award 2015

C. CONTRIBUTION TO SCIENCE

My scientific contributions have been in the realm of clinical outcomes after complex situations flowing shoulder and elbow surgery. In the first paper listed below, we address the issue of posterior wound complications, which are not uncommon after reconstructive elbow surgery. Clinical outcomes are quantified partially in terms of pain and postoperative function, which are discussed in the second and fourth papers listed below. Another understudied issue has been the formation of heterotopic bone after elbow trauma, as discussed in the third paper below. In the fifth paper, we studied the biomechanical testing of glenoid component loosening, which is the major indication for failure in total shoulder arthroplasty, utilizing a novel augmented glenoid component model.

1. **Cheung EV**, Fleager K. The "Anconeus slide" muscle flap for management of posterior wound complications about the elbow. *J Shoulder Elbow Surgery* 2011 Dec;20(8):1310-6. PMID: 21396832
2. Desai V, **Cheung EV**. Postoperative pain associated with shoulder and elbow surgery: a prospective study. *J Shoulder Elbow Surgery* 2012 Apr;21(4):441-50. PMID: [22192767](#).
3. Abrams G, Bellino M, **Cheung EV**. Risk factors for development of heterotopic ossification of the elbow after fracture fixation. *Journal of Shoulder and Elbow Surgery*. 2012 Nov;21(11):1550-4. Epub 2012 Sep 2. PMID: 22947234
4. Silverio L, **Cheung EV**. Patient Adherence with Postoperative Restrictions After Rotator Cuff Repair. *J Shoulder Elbow Surgery* 2014 Apr;23(4):508-13. Doi:10.1016/j.jse.2013.09.018. Epub 2014 Feb 24. PMID: 24581418
5. [Wang T](#)¹, [Abrams GD](#)^{2,3}, [Behn AW](#)², [Lindsey D](#)³, [Giori N](#)³, [Cheung EV](#)². Posterior Glenoid Wear in Total Shoulder Arthroplasty: Eccentric Anterior Reaming Is Superior to Posterior Augment. *Clin Orthop Relat Res*. Aug 5. [Epub ahead of print] PMID:26242283

Complete List of Published Work in My Bibliography (44 peer reviewed papers):

<https://www.ncbi.nlm.nih.gov/pubmed/?term=emilie+cheung>

D. Research Support

- a. Prospective Multi-Center Study of the Reverse Shoulder Arthroplasty. Industry-funded by DJO Orthopedics. 2010-present. Role: PI
- b. Prospective Multi-Center Study of the Equinox Total Shoulder Arthroplasty. Industry-funded by Exactech Orthopedics 2014-present. Role: PI
- c. Development of rotator cuff injury model and its use for medical device. Stanford Spectrum MedTech Pilot Grant. The one-year project aims to establish a rotator cuff tear model for medical device. 2017-present. Role: PI