

UCSF Department of Orthopaedic Surgery

Fellowship Information



Hand, Elbow and Upper Extremity Fellowship

Duration: 1 year

Dates: August 1, 2024 - July 31, 2025

Compensation: \$107,700 plus benefits

Currently accepting applications for the 2024/2025 academic year. Deadline for applications: November 15, 2022. **Interview dates: February 2nd & February 3rd, 2023**

****We do not accept foreign applicants****

UCSF Fellowship in Hand and Microvascular Surgery

Orthopaedic Surgery:

[Nicolas Lee, MD MS \(Fellowship Director\)](#)

[Nicole Schroeder, MD](#)

[Igor Immerman, MD](#)

[Mathias Masem, MD](#)

[Anthony Ding, MD](#)

[Lauren Santiesteban, MD](#)

[Lauren Shapiro, MD](#)

[Gopal Lalchandani, MD](#)

Plastic Surgery:

[Michael Terry, MD](#)

Shriners Hospital for Children Sacramento:

[Michelle James, MD](#)

[Claire Manske, MD](#)

Fellowship Goals

Our fellowship goal is to provide a diverse clinical experience. The UCSF Hand and Microvascular Surgery Service is a coordinated service between the department of orthopaedic surgery and the division of plastic and reconstructive surgery that provides emergency and consultation services to the three main campuses of the UCSF School of Medicine: (1) UCSF Moffitt Long Hospital; (2) Zuckerberg San Francisco General Hospital; (3) UCSF Mission Bay Children's hospital. The longitudinal ambulatory clinic experience is located at the Orthopaedic Institute at Mission Bay. The fellow is also scheduled to attend a fellow's clinic that runs concurrently with the combined plastic surgery and orthopaedic surgery hand clinic at Zuckerberg San Francisco general hospital once a month to develop autonomy in clinical decision making. Additional clinical sites include a private practice experience at Alta Bates surgery center, a dedicated 6 week rotation at Shriners' hospital for Children, and an opportunity to take replantation call at the Buncke clinic (regional replantation center).

The model for this fellowship is a one-on-one apprenticeship with close supervision and interaction with the attending hand faculty. Fellowship clinical responsibilities include functioning as the primary assistant to the attending staff during surgery and performing as junior attending staff when supervising residents. There will be graduated responsibilities both in the clinic and in the operating with the fellow expected to be fully independent by the completion of their fellowship year.

The UCSF Hand and Upper Extremity fellowship is unique in that the fellow follows a structured rotation for the first half of the year. The schedule for the second half of the year is restructured by the fellow in order to maximize their educational experience. Additional educational experiences include two wrist and elbow arthroscopy labs, a one week microvascular lab, a monthly cadaver dissection lab, preoperative planning with 3D printing, and dedicated research time.

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Program Structure

The weekly schedule for the Hand and Microvascular Surgery Service, which is subject to change as the need arises, is as follows:

- Monday: 6:45 am-7:45 am Hand conference at Orthopaedic Institute at Mission Bay
8:00 am – 5:00 pm Longitudinal Ambulatory clinic at OI Mission Bay
- Tuesday: 7:30 am – 5 pm Ambulatory Surgery center at OI
(3rd Tues of the month – 7:00 am – 4 pm Fracture Conference and ZSFG fellows clinic)
- Wednesday: 7:30 am-5:00 pm Alta Bates Surgery Center (or ZSFG OR)
- Thursday: 7:30 am-5:00pm OR Moffitt Long or OI mission bay
(3rd Thurs of the month – 6:45 am – 7:30 am Journal club)
- Friday: 1st Friday 8:00 am -12:00 noon, Cadaver dissection; Afternoon research
2nd Friday 8:00 am – 12:00 noon Interdisciplinary Peripheral Nerve clinic;
Afternoon research
3rd and 4th Fridays: 7:00 am – 5:00 pm ZSFG fracture conference and OR

Additional Program Notes

- The fellow will spend a dedicated 6 week rotation block at Shriner's hospital for Children in Sacramento
- The fellow will have an opportunity to work with volunteer clinical faculty at Alta Bates Surgery center
- The fellow will have the opportunity to take weekend replantation call at Buncke clinic

Conference Schedule

As a clinical Fellow within a full-service academic orthopaedic department and residency program, the Fellow has the opportunity to attend the full complement of organized conferences and rounds. These include:

- Monday, 6:45 am Hand Service conference
- Tuesday, 7 am: Zuckerberg San Francisco General hospital Hand conference (weekly)
- Wednesday, 6:30 am: UCSF Orthopaedic Grand Rounds (weekly)
- Wednesday, 8:30 am: UCSF Orthopaedics basic science conference (weekly)
- Thursday 6:45 am: Hand Journal club (3rd Thurs of the month at the OI)
- Friday, 7 am: UCSF Hand Service indications conference (weekly)
- Biannual Bay Area Hand Club dinner conference

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Research

The UCSF Department of Orthopaedic Surgery has an integrated multi-disciplinary orthopaedic research laboratory. Components include: the Orthopaedic Biomechanics Laboratory, the cadaveric surgical training facility, a 3D printing laboratory, and the Molecular and Cellular Biology Laboratory. The Orthopaedic Research Laboratory is a major component in the development of the orthopaedic surgery department under the chairmanship of Tad Vail, M.D., with Jeffrey C. Lotz, Ph.D., as Laboratory Director. Already state-of-the-art equipment, such as MTS and MMED mechanical testing machines, full computer capabilities, full histology capabilities and video imaging are in place. The Hand and Microvascular Surgery Service is an integral part of this research initiative. Hand research Fellows perform basic science projects in wrist and hand biomechanics, soft tissue repair, animal research, imaging studies, and any other topics that are within the capabilities of the laboratory. There is a monthly hand research meeting on the fourth Tuesday of the month from 6:00 – 7:00 pm via zoom conference, with informal meetings with individual investigators on individual projects on an as-needed basis. The lab presently has major projects underway in flexor tendon healing, developing an animal model for repetitive motion injuries and chronic nerve compression, CT imaging and finite element analysis of wrist anatomy, and implant experimentation and design. The laboratory is supported by grants from UCSF, the Orthopaedic Research and Educational Foundation, the National Institutes of Health, and private donations. Clinical projects and areas of interest include: evaluation of outcomes of carpal tunnel surgery, external fixators for wrist fractures, and clinical trials of novel splinting and casting devices. An important feature of the Combined Hand and Microvascular Surgery Fellowship is one-on-one teaching of research methodology, including formulation of a clinical or basic research question, setting up the protocol for the experiment, and producing a manuscript or a paper. All Fellows are required to complete a project prior to the completion of the Fellowship, with national meeting presentation/publication expected. Adequate time and supervision is provided to make this a realistic and integral part of the Fellowship.

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Current Fellow



Dr. Zeshaan Maan, MD
Residency: Stanford University - Plastic Surgery

Recent Graduate



Dr. Eric Larson, MD
Residency: University of Virginia, Charlottesville

"I chose UCSF because I wanted broad exposure to complex elective and traumatic upper extremity pathology. The faculty has been fantastic from both an operative and educational standpoint. As the only fellow in the Hand department, I am able to pick and choose from a wide array of cases and will be well trained for my future practice."

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To apply

Currently accepting applications for the 2024/2025 academic year.

To apply to our hand fellowship program, please complete the Universal Hand Application found on the ASSH website – [found here](#).

Your application must include the following:

- Universal Hand Application*
- A current curriculum vitae*
- Personal Statement*
- USMLE Board Scores*
- Medical School transcripts*
- Three letters of recommendation.*

Interviews will be arranged by invitation only following review of the completed applications.

*For any additional questions or to request additional information regarding the UCSF Hand Fellowship program, please contact **Brad Stark** @ Brad.Stark@ucsf.edu*

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