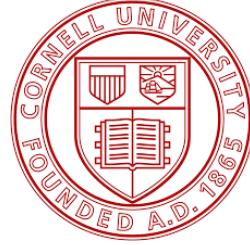




## Combined Engineering and Orthopedic Training Program



### **TO ALL HSS POST-DOCTORAL STUDENTS WITH AN INTEREST IN ENGINEERING & ORTHOPAEDICS:**

The NIH-sponsored HSS-Cornell Combined Engineering and Orthopaedics Training Program has an immediate opening to financially and academically support a post-doctoral trainee.

**Goal:** The goal of the program is to identify, train, and empower a select group of high potential trainees **to utilize the principles of engineering to advance patient care through interdisciplinary research** while nurturing them to become successful academic and clinical leaders in the musculoskeletal and orthopedic sciences. This goal is achieved by providing carefully selected exceptional trainees with unique mentoring and research opportunities across the **HSS-Cornell Center for Advanced Materials and Engineering in Orthopedics (CAMEO)** <https://hsscameo.engineering.cornell.edu/> with an emphasis on interdisciplinary approaches to address engineering aspects of clinically relevant orthopedic problems.

**Applicants:** Individuals supported by this grant must be US citizens or noncitizen nationals (permanent residents). Postdoctoral fellows must have an DDS, DVM, and/or PhD and have had no more than 1 year of postdoctoral support on another NIH institutional training grant or individual NIH fellowship award. Successful candidates will have completed a non-MD doctoral degree with a significant research component from an accredited institution and have distinguished themselves as an outstanding investigator through an exceptional track record of research, innovative and productive line of investigation, and an expressed desire to continue their career in academics. Trainees are expected to be committed to full-time research training, to participate in regularly scheduled research and clinical seminars both at HSS and Cornell, to engage in a self-selected classwork at the NIH-sponsored Clinical and Translational Science Center of Weill Cornell Medicine, and to meet annually with the Steering and Mentorship Committees of the Program.

Preference will be given to trainees who have an existing mentorship team at HSS that includes a multidisciplinary team (e.g., a clinician and a scientist), at least one mentor with current, recent, or pending federal funding, a pre-existing mentoring relationship or a well-articulated need to develop collaborations with Cornell Ithaca-based faculty, and a research plan that leverages the application of engineering principles to orthopaedics. Candidates are ideally required to have already completed at least 6 months of research at HSS.

**How to Apply:** A complete application must include: 1) a statement of career goals, interests, and career plans 2) a curriculum vitae, 3) electronic reprints of at least one peer-reviewed manuscript, and 4) a strong letter from the HSS mentor(s) describing support of the applicant and their proposed project and a commitment to be a hands-on participant in the Training Program. These materials should be submitted to: Judy Thoroughman [jmt14@cornell.edu](mailto:jmt14@cornell.edu) (no later than **July 1<sup>st</sup>, 2021**).

**Other Notes:** Postdoctoral stipend levels are set by the NIH each year and vary depending on the number of years of experience. The grant also provides trainee funds for related supplies, tuition/fees, health insurance, and travel. Please visit the following website for more information: <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-21-049.html> Salaries can be supplemented by the mentor using non-federally funded sources.

If you have questions about the **HSS-Cornell Combined Engineering and Orthopaedics Training Program** please reach out to any member of the Executive Advisory Board: *Mathias Bostrom, MD; Lionel Ivashkiv, MD; Joe Lane, MD; Suzanne Maher, PhD; Scott Rodeo, MD; Timothy Wright, PhD*