Stanford

Eri Takematsu

Postdoctoral Scholar, Plastic and Reconstructive Surgery

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Texas at Austin , Biomedical Engineering (2020)
- Master of Science in Engineering, University of Texas at Austin , Biomedical Engineering (2018)
- Master of Engineering, Tokyo Institute of Technology , Electrochemistry (2015)
- Bachelor of Science, Tokyo University of Science , Applied Chemistry (2013)

STANFORD ADVISORS

- Charles Chan, Postdoctoral Faculty Sponsor
- Charles Chan, Postdoctoral Research Mentor

Publications

PUBLICATIONS

- **Transmembrane stem cell factor protein therapeutics enhance revascularization in ischemia without mast cell activation** *NATURE COMMUNICATIONS*
  Takematsu, E., Massidda, M., Auster, J., Chen, P., Im, B., Srinath, S., Canga, S., Singh, A., Majid, M., Sherman, M., Dunn, A., Graham, A., Martin, et al
  2022; 13 (1): 2497
- **Genome wide analysis of gene expression changes in skin from patients with type 2 diabetes** *PLOS ONE*
  Takematsu, E., Spencer, A., Auster, J., Chen, P., Graham, A., Martin, P., Baker, A. B.
  2020; 15 (2): e0225267
- **In vivo osteoconductivity of surface modified Ti-29Nb-13Ta-4.6Zr alloy with low dissolution of toxic trace elements.** *PloS one*
  Takematsu, E., Noguchi, K., Kuroda, K., Ikoma, T., Niinomi, M., Matsushita, N.
  2018; 13 (1): e0189967
- **Adhesive strength of bioactive oxide layers fabricated on TNTZ alloy by three different alkali-solution treatments.** *Journal of the mechanical behavior of biomedical materials*
  Takematsu, E., Cho, K., Hieda, J., Nakai, M., Katsumata, K., Okada, K., Niinomi, M., Matsushita, N.
  2016; 61: 174-181
- **Bioactive surface modification of Ti-29Nb-13Ta-4.6Zr alloy through alkali solution treatments.** *Materials science & engineering. C, Materials for biological applications*
  Takematsu, E., Katsumata, K., Okada, K., Niinomi, M., Matsushita, N.
  2016; 62: 662-7