Postdoctoral Fellowship in the Lab of Dr. Jon-Paul Pepper at Stanford University School of Medicine

**Appointment term:** 1 year with possibility of renewal annually

**Start date:** immediate

**Training position description:**

The primary aim of the Pepper Lab at the Stanford Facial Nerve Center is to produce a novel treatment for peripheral motor nerve injury that hastens clinical recovery after injury. To pursue this goal, we perform both discovery and translational research using mouse models of facial and sciatic nerve injury. Through our previous and ongoing discovery research, we have identified several therapeutic candidates (small molecules and tissue engineering approaches) and have funding to support the pre-clinical assessment of our lead compounds/approaches. We seek a postdoctoral fellow to lead our assessment of our therapeutic candidates, describe their impact on regenerating nerve tissue, and further assess the signals that drive effective neural regeneration after injury in order to identify potential treatments.

We rely heavily on *in-vivo* models of nerve injury and repair. Prior experience with mouse models, preferably transgenic mice, is required. We use cell culture assays to assess drug potency and screen for bioactivity. Therefore, familiarity with basic cell culture techniques is required. The desired candidate would have a PhD in Neuroscience or a related discipline with an interest in translational research. Some experience with transcriptomics applied to nerve injury and recovery is helpful. The preferred start date is before July 2022, but is negotiable.

**Required Qualifications:**

- PhD in Neuroscience or related disciplines (i.e., Biology, Biomedical Engineering)
- Evidence of meticulous study design using appropriate controls and validation steps
- Experience with animal models, preferably transgenic mice
- Ability to work well in a diverse team with students and other scientists
- Effective oral and written communication skills with prior scientific publication(s)
- Able to solve problems independently and troubleshoot experiments

**Required application material:**

1. Curriculum Vitae
2. Cover letter describing interest and relevant experience for the project
3. Three potential reference contacts

**How to submit:** Apply by email to Stuart Jeung at stuartj7@stanford.edu