Applications are invited to fill a *Post-doctoral position* in the Auditory and Communication Systems Laboratory in the Department of Otorhinolaryngology at the University of Pennsylvania (PI Steven Eliades). The laboratory focuses on sensory coding in the auditory system during both perception and vocal production, with primary efforts in marmoset monkeys. We have particular interest in auditory coding in naturalistic environments and interactive social behaviors. Marmosets are an increasingly popular model system in neuroscience, with the advantage of being a non-human primate, readily used in a variety of neuroscience and behavioral contexts, but with the potential to take advantage of modern genetic and optical techniques. We also collaborate with other clinicians in the department to apply these methods to understanding hearing and speech in patients with communication disorders (hearing loss, vocal disorders). The work combines auditory psychophysics, speech sciences, motor control, sensory coding, and ensemble neural recordings.

Candidates should have a PhD (or equivalent degree) related to neuroscience, engineering, physics, psychology, or a similar field. Preferred candidates have a background in animal behavior and/or neural recording. The intellectual environment of the University of Pennsylvania is outstanding for computational auditory neuroscience. The Hearing Sciences Center is a multi-investigator group that identifies neuronal correlates of hearing and communication at multiple scales of interrogation, using state-of-the-art computational and causal techniques. We collaborate with the Penn Computational Neuroscience Initiative, a center with faculty interested in systems and computational approaches to neuroscience, and the Penn Center for Neuroscience and Therapeutics, interested in translating neuroscience into clinical care. Candidates will have access and mentorship from faculty in the Hearing Sciences Center and inter-disciplinary faculty throughout the institution.

Appointment will be for 12-months, renewable annually. Salary will be commensurate with experience and consistent with NIH NRSA stipends. We anticipate a Fall 2019 start date. Please email CVs to Steven Eliades (seliades@pennmedicine.upenn.edu). Further info at eliadeslab.weebly.com.