Postdoctoral fellowship in Neuroscience

with Kazuhiko SEKI

August 2021

http://valerolab.org/crcns

Your Qualifications: Knowledge and passion for neuroanatomy, neurophysiology, sensorimotor control and/or computational neuroscience. Excellent collaborative, interdisciplinary and leadership skills. Results-oriented. Excellent training and skills in one or more of the following: systems neuroscience, electrophysiology, neuroanatomy, computational neuroscience.

Goal: Sensorimotor cortices has been regarded as the hub in the volitional limb movement. Recent evidence, however, rather suggest the distributed control by multiple hub in the central nervous system. By applying a cutting-edge electrophysiological tool, you will have a leadership position in our team to record and analyze thousands of neuronal activities from spinal cord, brainstem and M1/S1 cortices, together with EMGs in behaving non-human primates. You will also have a key role for create versatile neuro-robots (robots with a nervous system) controlled by neuromorphic circuits by applying your data in dense collaboration with Valero-Cuevas lab in USC.

Location: Department of Neurophysiology, National institute of Neuroscience, NCNP, Kodaira, Tokyo, Japan.

Duration: 3 years.

Application deadline: October 30, 2021.

Start date: Late 2021 or early 2022.

PI: Kazuhiko SEKI at NCNP. Extensive interaction with Francisco Valero-Cuevas (Los Angeles, USA) and other local and international collaborators.

Diversity and Inclusion: Director. Kazuhiko Seki (he/him) is committed to diversity, equity, inclusion and anti-racism in teaching and research policies, mentorship, and practices. Women and underrepresented individuals in STEM are especially encouraged to apply.

To Apply: Email CV and letter of intent to seki@ncnp.go.jp, including names of three referees.