

【Postdoc Fellow for Two-Photon Neural Imaging Wanted】

A joint postdoc fellow/associate position is available in Ching-Lung Hsu Lab (中研院徐經倫實驗室) and Yu-Wei Wu Lab (中研院吳玉威實驗室). Upon satisfactory performance, the first 3 years of appointment will be financially supported by Ching-Lung Hsu Lab. We are looking for highly motivated people who preferably have training or experience in biological or two-photon imaging of live samples (tissues or animals), or relevant backgrounds in optics/engineering. Our goal is to establish a state-of-the-art two-photon random-access microscopy pipeline, with fast (near-kilohertz) 3-D scanning capability at the single-neuron level. It is also synergistic efforts between our lab and Allen Institute scientists in the US.

We are a collaborative Systems Neuroscience hub part of the Neuroscience Program of Academia Sinica (NPAS), consisted of two independent groups, the Hsu Lab (<https://neuroncomputelab.wordpress.com/>) and the Wu Lab (<https://wulabimb.squarespace.com/>). At an intersection of learning, spatial navigation and sensorimotor control, we are passionate about understanding how computing properties of neurons contribute to complex, memory-guided cognitive functions. We apply an array of cutting-edge techniques including mouse virtual reality (VR), massively parallel extracellular and intracellular electrophysiology in awake behaving animals, two-photon imaging, and computational modeling.

Salary and benefits meet the Academia Sinica standards and can be commensurate with experience and qualifications. Taipei is open, international and vibrant, and Academia Sinica is a premier, highly interdisciplinary research community in Taiwan. English and Chinese are working languages in the labs.

Please provide: a cover letter with 2-3 references, a Curriculum Vitae, and peer-reviewed publication or preprint paper if available. Please send to hsuc@ibms.sinica.edu.tw and wuyuwei@gate.sinica.edu.tw.

