

徐經倫實驗室徵人啟事

研究員姓名：徐經倫

應徵項目：博士後研究員 / 約聘研究助理 / 博士班研究生

Postdoctoral fellow / Research assistant / Ph.D. student

工作內容：實驗室研究方向簡介請閱此([徐經倫實驗室研究簡介](#))。運用電生理學、行為學、藥理學、化學遺傳學/光學遺傳學、小鼠虛擬實境、病毒神經迴路追蹤、電腦數值建模、雙光子影像等方法，分析空間導航、學習記憶的細胞學與生物物理學機制。

Please see [here](#) for an introduction of the research direction in the lab. Using patch-clamp electrophysiology, pharmacology, chemogenetics/optogenetics, mouse behavior in virtual reality, virus-assisted circuit tracing, computational modeling, new two-photon imaging method, my lab aims to understand how the complexity of single-neuron computations contributes to rapidly flexible neural code for spatial navigation, learning and memory.

An introduction of research directions in the lab:

https://www.dropbox.com/s/yuzfrd95m4sa6u3/Research%20Introduction%20for%20Hsu%20Lab_Aug20.pdf?dl=0

There are several graduate programs

(<https://www.ibms.sinica.edu.tw/templates/default/en/graduated/graduated.html>) and funding sources for postdoc fellowships. The research environments in Academia Sinica are international, vibrant and highly multidisciplinary. English is a working language in the lab. Taiwan has superior living quality, is safe and embraces diversity. Subsidized National Health Insurance and work insurance are available.

應徵條件/資格：對神經科學、研究主題的興趣與熱情，和主動學習的熱忱是最重要的條件。有電生理、動物實驗或生理影像經驗，具量化分析訓練(例如電機、工程、物理)，或有電腦程式、計算模擬相關背景的可以優先考慮，但不是必要條件。我的實驗室研究方法有挑戰性，但得到成果時也會很有成就感，適合細心、有韌性的人。經過訓練將可在神經細胞的電生理領域、計算的物理基礎等方面打下扎實的根基。

研究助理在實驗室建立初期可能需要協助一些行政工作。

Your interests in the research, motivation to learn and open-mindedness are the most important things to consider. The following backgrounds or experiences are encouraged, but not required: electrophysiology (especially patch clamp), animal or imaging experiments; quantitative skills (e.g., engineering, physics or math); programming, hardware control, computational modeling. The research in the lab is both challenging and rewarding. You may gain solid foundations for understanding electrophysiological and computational principles of neurons after the trainings.

Research assistant may be expected to assist with administrative work especially during the setup phase of the lab.

學歷要求：學士以上

科系要求：生物、醫學、醫技、藥理、電機或軟體工程、物理、化學相關領域為佳

外語條件：中等

工作地點：中央研究院生物醫學科學研究所

待遇：依中研院薪資標準，按資歷與工作表現調整

可上班日期：不限

出差與否：不需出差

聯絡人：徐經倫博士 (Ching-Lung Hsu, Ph.D.)

聯絡地址：115 台北市南港區研究院路二段 128 號

聯絡電話：

電子信箱：hsuc@ibms.sinica.edu.tw

應備文件：

1. Cover letter (包括說明研究興趣或經驗，預計能開始的時間，2-3 位推薦人姓名、聯絡方式與電話)
Please include descriptions for research interests, experiences, expected start time and *names, contact info and phone numbers for 2-3 references*
2. Curriculum Vitae (履歷)
3. If you have peer-reviewed publications or papers submitted to preprint services, please attach

應徵注意事項：Please send the application package to hsuc@ibms.sinica.edu.tw

刊登日期：2020/09/03

截止日期：2021/03/31