爾灣加州大學
生理與生物物理研究所
組建新項目研究團隊 誠徵
博士/博士後/助研實習/訪問學者
(2022-2023 冬季/春季/夏季)

研究項目簡介:

許多被認為是生命系統標誌的細胞過程經歷了物理和化學過程，從原子級現象，包括鍵斷裂的量子化學，到微米級的過程，如蛋白質的自組裝。這些過程本質上是多重尺度的，跨越從分子到介觀的時間和長度尺度。我們研究團隊的主要重點是研究生物過程發揮作用的機制，並使用理論、計算建模和模擬來闡明它們。我們尋找擁有生物物理，物理、化學、生物化學、計算機科學或相關領域 充滿活力和創造力的研究人員和科學家，

Many cellular processes that are considered the hallmarks of living systems undergo physical and chemical processes ranging from atomic-scale phenomena, including the quantum chemistry of bond cleavage, to micrometer-sized processes such as the self-assembly of proteins. These processes are innately multiscale and span time and length scales from the molecular to mesoscopic. The main focus of our research group is to investigate the mechanisms by which biological processes function and elucidate them using theory, computational modeling, and simulations.We seek energetic and creative researchers and scientists who are passionate and curious from a wide range of backgrounds spanning Biophysics, Physics, Chemistry, Biochemistry, Computer Science, and/or related fields.

研究項目實驗室團隊導師 余哲文博士簡介:

余哲文博士 2011 年畢業於加州理工學院物理學系獲得學士學位，2018 年在約翰霍普金斯大學 (JHU)分子生物物理和生物物理化學研究所學習神經活動的分子基礎，獲得博士學位.之後余博士在芝加哥大學化學系擔任 Ruth L. Kirchstein 研究員的博士後研究包括 HIV 和 SARS-CoV-2 等病毒的計算模擬.

Dr. Yu received his Ph.D. in the Department of Molecular Biophysics and Biophysical Chemistry at Johns Hopkins University (JHU) in 2018 studying the molecular basis for neural activity, and his B.S. in Physics from the California Institute of Technology in 2011. He performed his postdoctoral research as a Ruth L. Kirchstein Fellow in the Department of Chemistry at the University of Chicago on computational simulations of viruses including HIV and SARS-CoV-2 .

余哲文博士目前是加州大學（UCI）生理學和生物物理學研究所的助理教授，也是美國國家健康研究院 K99/R00 獎的獲得者。余博士的研究興趣集中在開發和應用多重尺度的模擬以提供對生命系統物理性的理解。他目前領導 UCI 的計算生物物理小組，該小組使用理論和計算來了解對人類健康有直接影響的生物系統。

He is currently a tenure-track assistant professor in the Department of Physiology and Biophysics at the University of California (UCI) School of Medicine, and a recipient of the K99/R00 award from the National Institutes of Health. Dr. Yu's research interests focus on developing and applying multiscale simulations to provide physical insight into living systems. He leads the Computational Biophysics Group at UCI, which uses theory and computation to understand biological systems that have a direct impact on human health.

誠聘英才：

攻讀 博士/碩士 或博士後研究

如果您有興趣，請將您的簡歷發送至 alviny6@uci.edu。博士後候選人還請附上履歷表和三個學術有關推薦人的聯繫信息。

If you are interested, please send your CV to alviny6@uci.edu. Postdoctoral candidates please also attach a cover letter and the contact information for three academic references.

助研實習：(2022-2023 冬季/春季/夏季)

請將您的簡歷發送至 **alviny6@uci.edu**。具有物理、生物化學、化學、數學和編程技能背景的學生優先。

Please send your CV to alviny6@uci.edu. Students with a background in physics, biochemistry, chemistry, and mathematical and programming skills are preferred.

訪問學者：

我們也歡迎訪問學生/學者/教授，我們更願意接待已經在相關領域有一些研究經驗的訪問者。訪問者費用自付。

We also welcome visiting students/scholars/professors and we prefer to host visitors who already have some research experience in related fields. Visitors are expected to cover their cost by external funding.

余哲文博士預定於 12 月 11 至 12 月 24 日期間赴臺灣與候選人會面，詳情請發電郵聯係。
Dr. Lee will be visiting Taiwan from December 11 to December 24 for interviewing candidates. Please send email to Dr. Yu for more information.