

李翊榮 博士後研究員

相關應用諮詢：

- 1.生物巨分子之結構解析
- 2.生物巨分子之分子動力學研究
- 3.蛋白質摺疊之結構與機制研究
- 4.生物分子間作用力解析
- 5.生物分子之相關藥物篩選與應用
- 6.生物巨分子之穩定度與結構性質解析
- 7.生物巨分子之NMR樣品製備
- 8.生物巨分子之NMR數據分析
- 9.生物巨分子性質之相關分析技術

諮詢時間：

週一~週五 AM8:00-PM5:00

學歷：

1. 2012~2016年 國立清華大學生物資訊與結構生物研究所 博士
2. 2010~2012年 國立清華大學生物資訊與結構生物研究所 碩士

經歷：

1. 2018年迄今 國立清華大學貴重儀器使用中心 博士後研究員
2. 2017~2018年 國立清華大學生物資訊與結構生物研究所 替代役

專長：

1. Molecular Cloning, Overexpression, Purification and Characterization of Protein.
2. Peptide biosynthesis and purification.
3. Data Analysis of Triple Resonance and Heteronuclear experiments for Resonance Assignments of Protein.
4. Structure Determination and Dynamic Studies of Protein by NMR.
5. Investigation of Molecular Interaction of Protein-Ligand Complexes.
6. Studies of Protein Folding by Circular Dichroism, Fluorescence and NMR.

Research Publication :

1. Nudelman, H., Lee, Y. Z., Hung, Y. L., Kolusheva, S., Upcher, A., Chen, Y. C., ... & Zarivach, R. (2018). Understanding the biomineralization role of magnetite-interacting components (MICs) from magnetotactic bacteria. *Frontiers in Microbiology*, 9, 2480.
2. Boyé, K., Pujol, N., Alves, I., Chen, Y. P., Daubon, T., Lee, Y. Z., ... & Bjerkvig, R. (2017). The role of CXCR3/LRP1 cross-talk in the invasion of primary brain tumors. *Nature Communications*, 8(1), 1571.
3. Lee, Y. Z., Lo, W. C., & Sue, S. C. (2017). Computational prediction of new Intein split sites. In *Split Inteins* (pp. 259-268). Humana Press, New York, NY.
4. Hung, Y. L., Jiang, I., Lee, Y. Z., Wen, C. K., & Sue, S. C. (2016). NMR study reveals the receiver domain of Arabidopsis ETHYLENE RESPONSE1 ethylene receptor as an atypical type response regulator. *PloS one*, 11(8), e0160598.
5. Chen, W. T., Huang, W. Y., Chen, T., Salawu, E. O., Wang, D., Lee, Y. Z., ... & Yin, H. S. (2016). Structure and function of chicken interleukin-1 beta mutants: uncoupling of receptor binding and in vivo biological activity. *Scientific reports*, 6, 27729.
6. Tseng, K. L., Lee, Y. Z., Chen, Y. R., & Lyu, P. C. (2016). ¹H, ¹⁵N and ¹³C resonance assignments of light organ-associated fatty acid-binding protein of Taiwanese fireflies. *Biomolecular NMR assignments*, 10(1), 71-74.
7. Lee, Y. Z., Lee, Y. T., Lin, Y. J., Chen, Y. J., & Sue, S. C. (2014). A streamlined method for preparing split intein for NMR study. *Protein expression and purification*, 99, 106-112.