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**Personal information**

Postdoctoral researcher, Institute of Statistical Science, Academia Sinica, Taiwan

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**Empolymment**

2024/03 – now

Postdoctoral researcher, Institute of Statistical Science, Academia Sinica, Taiwan.

**Education**

2015/08 – 2024/01

Ph.D., Institute of Biomedical Sciences, Nation Chung Hsing University.

2013/08 -- 2015/07

M.S., Institute of Biomedical Sciences, Nation Chung Hsing University.

2009/08 -- 2013/07

B.S., Department of Biomedical Sciences, Chung Shan Medical University.

**Research Interest**

- Molecular biology technique (gene construct, PCR, Real-time PCR, Western blot)
- Cell biology technique (Immunofluorescence, cell culture)
- CRISPR/Cas9 technique
- Animal model technique

**Awards and Honors**

- 2019 The retreat meeting of Taiwan Genomics and Genetics Society oral presentation: The Honorable Mention Award.
- 2016 The 31th Joint Annual Conference of Biomedical Science, Toxicology Society of Taiwan oral presentation: The Honorable Mention Award.

**Publication**

- **Tsai JY**, Weng CW, Lai YH, Tsai MF, Chen HY and Chen JJW. (2023) Proscillaridin A inhibits lung cancer cell growth and motility through downregulation of the EGFR-Src-associated pathway. *American Journal of Cancer Research* 15;13(11):5352-5367.
- Weng CW, Wei CH, **Tsai JY**, Lai YH, Chang GC, and Chen JJW. (2022). Hybrid pharmacophore- and structure-based virtual screening pipeline to identify novel EGFR inhibitors that suppress non-small cell lung cancer cell growth. *International Journal of Molecular Sciences* 23(7): 3487.
- Weng CW, Li JH, **Tsai JY**, Lin SH, Chang GC, Liu CC, and Chen JJW. (2020). Pharmacophore-based virtual screening for the identification of the novel Src inhibitor SJG-136 against lung cancer cell growth and motility. *American Journal of Cancer Research* 10(6): 1668-1690.