

CV Form

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Affiliation(s)(中/英文)	國立臺灣大學醫學院藥理所/Department of Pharmacology, National Taiwan University College of Medicine	
Current Position Title	副教授	
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個人簡歷 (No more than an A4 size paper)

Education/Training:

國立臺灣大學 藥理學研究所 博士 (2015)
國立成功大學 藥理學研究所 碩士 (2010)
臺北醫學大學 藥學系 學士 (2008)

Professional and Research Experience:

臺大醫學院藥理所 副教授 (2023-迄今)
臺大醫學院藥理所 助理教授 (2019-2023)
美國史丹佛大學心血管中心 博士後研究員 (2016-2019)

Awards and Honors:

- 2025 Professor Chen-Yuan Lee Medical Memorial Award, Taiwan
- 2024 FutureTech Award, National Science and Technology Council (NSTC), Taiwan
- 2024 NARLabs R&D Service Platform Achievement Award, Taiwan
- 2024 Distinguished Teaching Award, National Taiwan University
- 2024 Best Teaching Award, National Taiwan University Medical College Alumni Association
- 2024 Dr. Hong-Yen Hsu Academic Award, Hsu Hung-Yuan Foundation
- 2023 Career Development Program, Sprout Research Projects, National Taiwan University
- 2023 Excellent Teaching Award, National Taiwan University
- 2022 New Investigator Travel Award, American Heart Association (AHA)
- 2022 Excellent Teaching Award, National Taiwan University
- 2019 Einstein Program, Ministry of Science and Technology (MoST), Taiwan
- 2019 North American Cannabis Summit Scholarship, Tobacco-Related Disease Research Program (TRDRP) of California, USA
- 2018 Venture Studio Program (2018-2019), Graduate School of Business, Stanford University
- 2017 Excellent Doctoral Thesis Award, National Taiwan University College of Medicine
- 2016 Postdoctoral Fellowship Abroad Program, MoST, Taiwan
- 2015 Dr. Tsungming Tu Outstanding Thesis Award, The Pharmacological Society in Taiwan
- 2014 Stanford SPARK Program, International Biomedical Innovation and Entrepreneurship Training Course

Selected Publications:

- DJ Chung, SP Chen, WH Liu, CY Liu, NW Su, C Hsu, HY Tsai, KC Yang, CK Wu, SW Lin, JJ Shie, MT Zhao, **TT Wei***. Targeting mechanosensitive cannabinoid receptor 1 with isoflavone prodrugs attenuates atherosclerotic endothelial dysfunction. ***J Biomed Sci.* 2026 Jan 21;33(1):12**
- SH Jwo, SK Ng, CT Li, SP Chen, LY Chen, PJ Liu, HJ Wang, JS Lin, CJ Ko, CF Lee, CH Wang, X Ouyang, L Wang, **TT Wei***. Dual prophylactic and therapeutic potential of iPSC-based vaccines and neoantigen discovery in colorectal cancer. ***Theranostics.* 2025 April 28;15(12):5890-5908**
- DJ Chung, CH Wang, PJ Liu, SK Ng, CK Luo, SH Jwo, CT Li, DY Hsu, CC Fan, **TT Wei**. Targeting CREB-binding protein (CBP) abrogates colorectal cancer stemness through epigenetic regulation of C-MYC. ***Cancer Gene Ther.* 2024 Nov;31(11):1734-1748**
- SK Ng, DJ Chung, LC Chang, CK Luo, SH Jwo, YH Lee, JS Lin, CH Wang, **TT Wei***. The protective effect of cannabinoids against colorectal cancer cachexia through modulation of inflammation and immune responses. ***Biomed Pharmacother.* 2023 May;161:114467**
- **TT Wei**, M Chandy, M Nishiga, A Zhang, KK Kumar, D Thomas, A Manhas, S Rhee, JM Justesen, IY Chen, HT Wo, S Khanamiri, JY Yang, FJ Seidl, NZ Burns, C Liu, N Sayed, JJ Shie, CF Yeh, KC Yang, E Lau, KL Lynch, M Rivas, BK Kobilka, JC Wu. Cannabinoid receptor 1 antagonist genistein attenuates marijuana-induced vascular inflammation. ***Cell.* 2022 May 12;185(10):1676-1693.e23**
- PH Chou, CK Luo, N Wali, WY Lin, SK Ng, CH Wang, M Zhao, SW Lin, PM Yang, PJ Liu, JJ Shie, **TT Wei***. A chemical probe inhibitor targeting STAT1 restricts cancer stem cell traits and angiogenesis in colorectal cancer. ***J Biomed Sci.* 2022 Mar 22;29(1):20**
- CK Luo, PH Chou, SK Ng, WY Lin, **TT Wei***. Cannabinoids orchestrate cross-talk between cancer cells and endothelial cells in colorectal cancer. ***Cancer Gene Ther.* 2022 May;29(5):597-611**