CV Form

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Affiliation(s)(中/英文)	國立中興大學/生命科學院/生物醫學研究所	
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個人簡歷 (No more than an A4 size paper)

Education/Training:

- 2000/09-2005/01 國立台灣大學醫學院毒理學研究所
- 1997/09-1999/06 國立陽明大學解剖暨細胞生物研究所
- 1990/09-1993/06 私立中山醫學大學醫學檢驗學系

Professional and Research Experience:

- 2022/08-2026/07 國立中興大學生物醫學研究所終身特聘教授
- 2023/08-2026/07 國立中興大學榮興轉譯醫學研究中心主任
- 2023/08-2026/07 國立中興大學生技產業創新研發與管理博士學位學程主任
- 2023/02-2023/07 國立中興大學生醫產業研發中心/生科院
- 2018/08-2028/07 國立中興大學生物醫學研究所特聘教授
- 2014/02-present 國立中興大學生物醫學研究所教授
- 2014/02-present 台中榮民總醫院研究部合聘研究員
- 2011/02-2014/01 國立中興大學生物醫學研究所副教授
- 2007/02-2009/07 國立中興大學中興大學生科院醫學科技研究所助理教授
- 2005/08-2007/01 私立中山醫學大學醫學檢驗學系助理教授

Awards and Honors:

- 2026 第 12 屆台灣毒物學學會理事長
- 2018 國軍退除役官兵輔導委員會台中榮總研究發展獎
- 2016 國軍退除役官兵輔導委員會台中榮總研究發展獎
- 2014 國軍退除役官兵輔導委員會台中榮總研究發展獎
- 2014 2014 實驗室獲選「基因醫學教育推廣優秀單位」
- 2014 第五屆亞太拜耳華人糖尿病論壇 ABCD 最佳口頭報告一等獎
- 2014 103 年度「國立中興大學優秀年輕學者獎助計畫（懷璧獎）」生命科學組

Selected Publications:

1. TPL2 Promotes Gastric Cancer Progression and Chemoresistance Through a Hypoxia-Induced Positive Feedback Loop with PPARδ. Lan KL, Lai DW, Yang CN, Pan HC, Ou HT, Yu SI, Hsieh TC, Ye YL, Chan CY, Chou KL, Wu SM, Shen LW, Shen CC, Chen L, Liu SH, Chiu CS, Arbiser JL, **Sheu ML***. **Int J Biol Sci.** 2025 Sep 12;21(13):5874-5890.
2. Melatonin Ameliorate neuroinflammation in activated microglia through the Aryl hydrocarbon-Nrf2 axis. **Sheu ML**, Yang CN, Pan LY, Sheehan J, Pan LY, You WC, Wang CC, Chen YJ, Chen HS, Pan HC. **Int J Biol Sci.** 2025 Jun 9;21(9):3917-3933.
3. Honokiol inhibits gastric cancer via tumor microenvironment modulation: a bioinformatics and single-cell analysis. Yu SI, Cheng YC, Ye YL, Hsieh TC, Chan CY, Lin YL, Chueh HJ, Tseng YH, Chang KW, **Sheu ML***. **Sci Rep.** 2025 Nov 25;15(1):41997.
4. Melatonin Enhanced Microglia M2 Polarization in Rat Model of Neuro-inflammation Via Regulating ER Stress/PPARδ/SIRT1 Signaling Axis. Pan HC, Yang CN, Lee WJ, Sheehan J, Wu SM, Chen HS, Lin MH, Shen LW, Lee SH, Shen CC, Pan LY, Liu SH, **Sheu ML***. **J Neuroimmune Pharmacol.**2024 Mar 26;19(1):11.
5. Targeting histone deacetylase-3 blocked epithelial-mesenchymal plasticity and metastatic dissemination in gastric cancer. Wu SM, Jan YJ, Tsai SC, Pan HC, Shen CC, Yang CN, Lee SH, Liu SH, Shen LW, Chiu CS, Arbiser JL, Meng M, **Sheu ML***. **Cell Biol Toxicol.** 2023 Oct;39(5):1873-1896.
6. Aryl hydrocarbon receptor deficiency augments dysregulated microangiogenesis and diabetic retinopathy. Lee WJ, Lin KH, Wang JS, Sheu WH, Shen CC, Yang CN, Wu SM, Shen LW, Lee SH, Lai DW, Lan KL, Tung CW, Liu SH,**Sheu ML***.**Biomed Pharmacother.** 2022 Nov;155:113725.
7. Aggravation of pulmonary fibrosis after knocking down the aryl hydrocarbon receptor in the insulin-like growth factor 1 receptor pathway. Wu SM, Tsai JJ, Pan HC, Arbiser JL, Elia L, **Sheu ML*.Br J Pharmacol.**2022 Jul;179(13):3430-3451.
8. Therapeutic Potential of Tpl2 (Tumor Progression Locus 2) Inhibition on Diabetic Vasculopathy Through the Blockage of the Inflammasome Complex.Sheu WH, Lin KH, Wang JS, Lai DW, Lee WJ, Lin FY, Chen PH, Chen CH, Yeh HY, Wu SM, Shen CC, Lee MR, Liu SH, **Sheu ML***. **ArterioscIerThrombVasc Biol.** 2021 Jan;41(1):e46-e62.
9. Exploiting Honokiol-induced ER stress CHOP activation inhibits the growth and metastasis of melanoma by suppressing the MITF and β-catenin pathways. Chiu CS, Tsai CH, Hsieh MS, Tsai SC, Jan YJ, Lin WY, Lai DW, Wu SM, Hsing HY, Arbiser JL, **Sheu ML***. **Cancer Lett.** 2019 Feb 1;442:113-125.
10. TPL2 (Therapeutic Targeting Tumor Progression Locus-2)/ATF4 (Activating Transcription Factor-4)/SDF1alpha (Chemokine Stromal Cell-Derived Factor-alpha) Axis Suppresses Diabetic Retinopathy. Lai DW, Lin KH, Sheu WH, Lee MR, Chen CY, Lee WJ, Hung YW, Shen CC, Chung TJ, Liu SH, **Sheu ML***.**Circ Res**. 2017 Sep 1;121(6):e37-e52.
11. Melatonin set out to ER stress signaling thwarts epithelial mesenchymal transition and peritoneal dissemination via calpain-mediated C/EBPbeta and NFkappaB cleavage.
12. Wu SM, Lin WY, Shen CC, Pan HC, Keh-Bin W, Chen YC, Jan YJ, Lai DW, Tang SC, Tien HR, Chiu CS, Tsai TC, Lai YL, **Sheu ML***.**J Pineal Res.** 2016 Mar;60(2):142-54.