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Research Interests: (Key words)	Tumor, stem cell, cell therapy, bone diseases, herbal medicine			
Selected Publications (in recent 5 yr):	<ol style="list-style-type: none"> 1. Yang YH, Wen CS, Kuo YL, Fu SL, Lin TY, Chen CM, Wu PK, Chen WM, Wang JY*. GuiLu-ErXian Glue extract promotes mesenchymal stem cells (MSC)-Induced chondrogenesis via exosomes release and delays aging in the MSC senescence process. J Ethnopharmacol. 2023 Dec 5;317:116784. 2. Wang JY, Tsai YF, Wang TH, Wang SJ. Relieving patent-eligibility barriers in biotech with a preparation or treatment method. Nat Biotechnol. 2022 May; 40(5):651-653. (IF=68.164; 2/159) 3. Wang JY, Chen CM, Chen CF, Wu PK, Chen WM. Suppression of estrogen receptor alpha inhibits cell proliferation, differentiation and enhances the chemosensitivity of P53-positive U2OS osteosarcoma cell. Int. J. Mol. Sci. 2021, 22, 11238. (IF=6.208; 69/297) 4. Wang JY, Chen CF. Heparanase-1 facilitates bone remodeling on bone defect animal model with optimal dosage and treatment duration. J Chin Med Assoc. 2020;83(9):799-800. (IF=2.743; 62/167) 5. Chen KL, Chen CM, Chen YC, Wang JY, Chen CF, Wu PK, Chen WM. Freezing nitrogen ethanol composite reduces periprosthetic infection caused by Staphylococcus aureus contaminated metal implants: An animal study. J Chin Med Assoc. 2023 Feb 1;86(2):227-232. 			

<p>Selected Publications (in recent 5 yr):</p>	<ol style="list-style-type: none"> 6. Chen CM, Chen CF, Wang JY, Chen TH, Wu PK, Chen WM. Patella cryo-free technique with recycled frozen autograft reconstruction preserves extensor mechanism for proximal tibial malignancy. <i>J Chin Med Assoc.</i> 2022 Apr 1;85(4):453-461. 7. Madda R, Chen CM, Chen CF, Wang JY, Wu HY, Wu PK, Chen WM. Analyzing BMP2, FGFR, and TGF Beta Expressions in High-Grade Osteosarcoma Untreated and Treated Autografts Using Proteomic Analysis. <i>Int J Mol Sci.</i> 2022 Jul 3;23(13):7409. 8. Chiu LC, Wang JY, Lin CH, Hsu CH, Lin LC, Fu SL. Diterpenoid Compounds Isolated from <i>Chloranthus oldhamii</i> Solms Exert Anti-Inflammatory Effects by Inhibiting the IKK/NF-κB Pathway. <i>Molecules.</i> 2021 Oct 29;26(21):6540. 9. Chen CM, Chen YC, Wang JY, Chen CF, Chao KY, Wu PK, Chen WM. A Cryoprotectant-Gel Composite Designed to Preserve Articular Cartilage during Frozen Osteoarticular Autograft Reconstruction for Malignant Bone Tumors: An Animal-Based Study. <i>Cartilage.</i> 2022 Jul-Sep;13(3):19476035221109228. 10. Chen YT, Chuang YH, Chen CM, Wang JY, Wang J. Development of hybrid scaffolds with biodegradable polymer composites and bioactive hydrogels for bone tissue engineering. <i>Biomater Adv.</i> 2023 Oct;153:213562. 11. Madda R, Chen CM, Chen CF, Wang JY, Wu PK, Chen WM. Effect of Cryoablation Treatment on the Protein Expression Profile of Low-Grade Central Chondrosarcoma Identified by LC-ESI-MS/MS. <i>J Am Soc Mass Spectrom.</i> 2021 Jun 2;32(6):1469-1489. 12. Madda R, Chen CM, Chen CF, Wang JY, Wu PK, Chen WM. Exploring the Proteomic Alterations from Untreated and Cryoablation and Irradiation Treated Giant Cell Tumors of Bone Using Liquid-Chromatography Tandem Mass Spectrometry. <i>Molecules.</i> 2020.16;25(22):5355 13. Wang PH, Wu CL, Chen CM, Wang JY, Wu PK, Chen WM. Adjuvant therapy by high-speed burr may cause intraoperative bone tumor seeding: an animal study. <i>BMC Musculoskelet Disord.</i> 2020. 31;21(1):507 14. Chiu JH, Tseng LM, Huang TT, Liu CY, Wang JY, Huang CP, Tsai YF, Hsu CY. MEGF11 is related to tumour recurrence in triple negative breast cancer via chemokine upregulation. <i>Sci Rep.</i> 2020; 15;10(1):8060. 15. Madda R, Chen CM, Wang JY, Chen CF, Chao KY, Yang YM, Wu HY, Chen WM, Wu PK. Proteomic profiling and identification of significant markers from high-grade osteosarcoma after cryotherapy and irradiation. <i>Sci Rep.</i> 2020;10(1):2105.
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