

PUBLICATION

- [1] **Wang C-Y**, Kuo Z-K, Hsieh M-K, Ke L-Y, Chen C-C, Cheng C-M and Lai P-L. **2019** Cell migration of preosteoblast cells on a clinical gelatin sponge for 3D bone tissue engineering. *Biomedical Materials*. 15: 015005. (SCI, IF: **3.44**, Rank: **Q2** in Biomedical Engineering, Top 25.7%)
- [2] Ku K-L, Wu Y-S, **Wang C-Y**, Hong D-W, Chen Z-X, Huang C-A, Chu I M and Lai P-L. **2019** Incorporation of surface-modified hydroxyapatite into poly (methyl methacrylate) to improve biological activity and bone ingrowth. *Royal Society Open Science*. 6: 182060. (SCI, IF: **3.44**, Rank: **Q1** in Multidisciplinary, Top 24.1%)
- [3] Han F, Li C-F, Cai Z, Zhang X, Jin G, Zhang W-N, Xu C, **Wang C-Y**, Morrow J and Zhang S. **2018** The critical role of AMPK in driving Akt activation under stress, tumorigenesis and drug resistance. *Nature Communications*. 9: 1. (SCI, IF: **11.878**, Rank: **Q1** in Biochemistry, Genetics and Molecular Biology, Top 7.5%)
- [4] Zhang X, Li B, Rezaeian A H, Xu X, Chou P-C, Jin G, Han F, Pan B-S, **Wang C-Y** and Long J. **2017** H3 ubiquitination by NEDD4 regulates H3 acetylation and tumorigenesis. *Nature Communications*. 8: 1. (SCI, IF: **11.878**, Rank: **Q1** in Biochemistry, Genetics and Molecular Biology, Top 7.5%)
- [5] Jin G, Lee S-W, Zhang X, Cai Z, Gao Y, Chou P-C, Rezaeian A H, Han F, **Wang C-Y** and Yao J-C. **2015** Skp2-mediated RagA ubiquitination elicits a negative feedback to prevent amino-acid-dependent mTORC1 hyperactivation by recruiting GATOR1. *Molecular Cell*. 58: 989. (SCI, IF: **14.55**, Rank: **Q1** in Biochemistry, Genetics and Molecular Biology, Top 1.9%)
- [6] **Wang C-Y**, Yang T-T, Chen C-L, Lin W-C and Lin C-F. **2014** Reactive oxygen species-regulated glycogen synthase kinase-3 β activation contributes to all-trans retinoic acid-induced apoptosis in granulocyte-differentiated HL60 cells. *Biochemical Pharmacology*. 88: 86. (SCI, IF: **5.009**, Rank: **Q1** in Pharmacology and Pharmacy, Top 8.9%)
- [7] **Wang C-Y** and Lin C-F. **2014** Annexin A2: its molecular regulation and cellular expression in cancer development. *Disease Markers*. 2014: 308976. (Invited review) (SCI, IF: **2.76**, Rank: **Q2** in Pathology, 33.6%)
- [8] **Wang C-Y**, Chiang T-H, Chen C-L, Tseng P-C, Chien S-Y, Chuang Y-J, Yang T-T, Hsieh C-Y, Choi P-C and Lin C-F. **2014** Autophagy facilitates cytokine-induced ICAM-1 expression. *Innate Immunity*. 20: 200. (SCI, IF: **3.271**, Rank: **Q2** in Immunology, 38.2%)
- [9] Yang T-T, Chen C-L, Lin W-C, Lin Y-S, Tseng P-C, Hsieh C-Y, Chen Y-H, Huang W-C, Tsai C-C, **Wang C-Y**, Shieh C-C and Lin C-F. **2013** Glycogen synthase kinase-3 β inactivation is an intracellular marker and regulator for endotoxemic neutrophilia.

- Journal of Molecular Medicine*. 91: 207. (SCI, IF: **4.739**, Rank: **Q1** in Medicine, Research and Experimental, **Top 14.3%**)
- [10] **Wang C-Y**, Chen C-L, Tseng Y-L, Fang Y-T, Lin Y-S, Su W-C, Chen C-C, Chang K-C, Wang Y-C and Lin C-F. **2012** Annexin A2 silencing induces G2 arrest of non-small cell lung cancer cells through p53-dependent and-independent mechanisms. *Journal of Biological Chemistry*. 287: 32512. (SCI, IF: **4.65**, Rank: **Q1** in Biochemistry and Molecular Biology, **Top 21.3%**)
- [11] Tseng P-C, Huang W-C, Chen C-L, Sheu B-S, Shan Y-S, Tsai C-C, **Wang C-Y**, Chen S-O, Hsieh C-Y and Lin C-F. **2012** Regulation of SHP2 by PTEN/AKT/GSK-3 β signaling facilitates IFN- γ resistance in hyperproliferating gastric cancer. *Immunobiology*. 217: 926. (SCI, IF: 2.81, Rank: Q3 in Immunology, 50.8%)
- [12] Hsing C-H, Chen Y-H, Chen C-L, Huang W-C, Lin M-C, Tseng P-C, **Wang C-Y**, Tsai C-C, Choi P-C and Lin C-F. **2012** Anesthetic propofol causes glycogen synthase kinase-3 β -regulated lysosomal/mitochondrial apoptosis in macrophages. *Anesthesiology*. 116: 868. (SCI, IF: **6.424**, Rank: **Q1** in Anesthesiology, **Top 1.7%**)
- [13] Fang Y-T, Lin C-F, **Wang C-Y**, Anderson R and Lin Y-S. **2012** Interferon- γ stimulates p11-dependent surface expression of annexin A2 in lung epithelial cells to enhance phagocytosis. *Journal of Cellular Physiology*. 227: 2775. (SCI, IF: **4.21**, Rank: **Q1** in Physiology, **Top 16.7%**)
- [14] Chiu W-H, Luo S-J, Chen C-L, Cheng J-H, Hsieh C-Y, **Wang C-Y**, Huang W-C, Su W-C and Lin C-F. **2012** Vinca alkaloids cause aberrant ROS-mediated JNK activation, Mcl-1 downregulation, DNA damage, mitochondrial dysfunction, and apoptosis in lung adenocarcinoma cells. *Biochemical Pharmacology*. 83: 1159. (SCI, IF: **4.576**, Rank: **Q1** in Pharmacology and Pharmacy, **Top 11%**)
- [15] Huang W-C, Tsai C-C, Chen C-L, Chen T-Y, Chen Y-P, Lin Y-S, Lu P-J, Lin C-M, Wang S-H, Tsao C-W, **Wang C-Y**, Cheng Y-L, Hsieh C-Y, Tseng P-C and Lin C-F. **2011** Glucosylceramide synthase inhibitor PDMP sensitizes chronic myeloid leukemia T315I mutant to Bcr-Abl inhibitor and cooperatively induces glycogen synthase kinase-3-regulated apoptosis. *The FASEB Journal*. 25: 3661. (SCI, IF: **5.712**, Rank: **Q1** in Biology, **Top 7.65%**)
- [16] Hsing C-H, Lin M-C, Choi P-C, Huang W-C, Kai J-I, Tsai C-C, Cheng Y-L, Hsieh C-Y, **Wang C-Y**, Chang Y-P, Chen Y-H, Chen C-L and Lin C-F. **2011** Anesthetic propofol reduces endotoxic inflammation by inhibiting reactive oxygen species-regulated Akt/IKK β /NF- κ B signaling. *PLoS One*. 6: e17598. (SCI, IF: **4.092**, Rank: **Q1** in Biology, **Top 13.52%**)
- [17] Cheng Y-L, Huang W-C, Chen C-L, Tsai C-C, **Wang C-Y**, Chiu W-H, Chen Y-L, Lin Y-S, Chang C-F and Lin C-F. **2011** Increased galectin-3 facilitates leukemia cell survival from apoptotic stimuli. *Biochemical and Biophysical Research Communications*. 412: 334. (SCI, IF: **2.705**, Rank: **Q3** in Biochemistry & Molecular Biology, 52.40%)

- [18] Chang Y-P, Chen C-L, Chen S-O, Lin Y-S, Tsai C-C, Huang W-C, **Wang C-Y**, Hsieh C-Y, Choi P-C and Lin C-F. **2011** Autophagy facilitates an IFN- γ response and signal transduction. *Microbes and Infection*. 13: 888. (SCI, IF: **3.101**, Rank: **Q2** in Microbiology, 35.52%)
- [19] Tseng Y-L, Wu M-H, Yang H-C, **Wang C-Y** and Lin C-F. **2010** Autocrine IL-6 regulates GRO- α production in thymic epithelial cells. *Cytokine*. 51: 195. (SCI, IF: **3.537**, Rank: **Q2** in Immunology, 32.46%)
- [20] Lin C-F, Chen C-L, Huang W-C, Cheng Y-L, Hsieh C-Y, **Wang C-Y** and Hong M-Y. **2010** Different types of cell death induced by enterotoxins. *Toxins*. 2: 2158. (SCI, IF: **3.895**, Rank: **Q1** in Microbiology, **Top 13.70%**)
- [21] Chuang C-C, Chuang Y-C, Chang W-T, Chen C-C, Hor L-I, Huang A M, Choi P-C, **Wang C-Y**, Tseng P-C and Lin C-F. **2010** Macrophage migration inhibitory factor regulates interleukin-6 production by facilitating nuclear factor-kappa B activation during *Vibrio vulnificus* infection. *BMC Immunology*. 11: 50.
- [22] Chen S-H, Wang Y-W, Hsu J-L, Chang H-Y, **Wang C-Y**, Shen P-T, Chiang C-W, Chuang J-J, Tsai H-W, Gu P-W, Chang F-C, Liu H-S and Chow N-H. **2010** Nucleophosmin in the pathogenesis of arsenic-related bladder carcinogenesis revealed by quantitative proteomics. *Toxicology and Applied Pharmacology*. 242: 126. (SCI, IF: **3.993**, Rank: **Q1** in Toxicology, **Top 11.5%**)
- [23] Chang Y-P, Tsai C-C, Huang W-C, **Wang C-Y**, Chen C-L, Lin Y-S, Kai J-I, Hsieh C-Y, Cheng Y-L, Choi P-C, Chen S-H, Chang S-P, Liu H-S and Lin C-F. **2010** Autophagy facilitates IFN- γ -induced Jak2-STAT1 activation and cellular inflammation. *Journal of Biological Chemistry*. 285: 28715. (SCI, IF: **5.328**, Rank: **Q1** in Biochemistry & Molecular Biology, **Top 17.31%**)
- [24] Wang Y, Huang W-C, **Wang C-Y**, Tsai C-C, Chen C-L, Chang Y-T, Kai J-I and Lin C-F. **2009** Inhibiting glycogen synthase kinase-3 reduces endotoxaemic acute renal failure by down-regulating inflammation and renal cell apoptosis. *British Journal of Pharmacology*. 157: 1004. (SCI, IF: **6.583**, Rank: **Q1** in Pharmacology & Pharmacy, **Top 15.05%**)
- [25] **Wang C-Y**, Lin Y-S, Su W-C, Chen C-L and Lin C-F. **2009** Glycogen synthase kinase-3 and Omi/HtrA2 induce annexin A2 cleavage followed by cell cycle inhibition and apoptosis. *Molecular Biology of the Cell*. 20: 4153. (SCI, IF: **5.979**, Rank: **Q1** in Cell Biology, **Top 21.3%**)
- [26] Tsai C-C, Kai J-I, Huang W-C, **Wang C-Y**, Wang Y, Chen C-L, Fang Y-T, Lin Y-S, Anderson R and Chen S-H. **2009** Glycogen synthase kinase-3 β facilitates IFN- γ -induced STAT1 activation by regulating Src homology-2 domain-containing phosphatase 2. *The Journal of Immunology*. 183: 856. (SCI, IF: **5.646**, Rank: **Q2** in Immunology, **Top 13.67%**)

- [27] Huang W-C, Lin Y-S, **Wang C-Y**, Tsai C-C, Tseng H-C, Chen C-L, Lu P-J, Chen P-S, Qian L, Hong J-S and Lin C-F. **2009** Glycogen synthase kinase-3 negatively regulates anti-inflammatory interleukin-10 for lipopolysaccharide-induced iNOS/NO biosynthesis and RANTES production in microglial cells. *Immunology*. 128: e275. (SCI, IF: **4.147**, Rank: **Q2** in Immunology, 33.23%)
- [28] Huang W-C, Lin Y-S, Chen C-L, **Wang C-Y**, Chiu W-H and Lin C-F. **2009** Glycogen synthase kinase-3 β mediates endoplasmic reticulum stress-induced lysosomal apoptosis in leukemia. *Journal of Pharmacology and Experimental Therapeutics*. 329: 524. (SCI, IF: **4.093**, Rank: **Q1** in Pharmacology & Pharmacy, **Top 15.40%**)
- [29] Cheng Y-L, **Wang C-Y**, Huang W-C, Tsai C-C, Chen C-L, Shen C-F, Chi C-Y and Lin C-F. **2009** Staphylococcus aureus induces microglial inflammation via a glycogen synthase kinase 3 β -regulated pathway. *Infection and Immunity*. 77: 4002. (SCI, IF: **3.987**, Rank: **Q1** in Infectious Diseases. **Top 18.63%**)
- [30] Lin C-F, Tsai C-C, Huang W-C, **Wang C-Y**, Tseng H-C, Wang Y, Kai J-I, Wang S-W and Cheng Y-L. **2008** IFN- γ synergizes with LPS to induce nitric oxide biosynthesis through glycogen synthase kinase-3-inhibited IL-10. *Journal of Cellular Biochemistry*. 105: 746. (SCI, IF: **3.448**, Rank: **Q2** in Biochemistry & Molecular Biology, 39.30%)

CONFERENCE PAPERS

- [1] **Wang C-Y**, Kuo Z-K, Hsieh M-K, Ke L-Y, Chen C-C, Cheng C-M and Lai P-L. **2019. 10** Cell migration of preosteoblast cells on a clinical gelatin sponge as a 3D bone engineering model. (*Best Poster Award*). Chang Gung International Medical Research Conference, Taoyuan, Taiwan.
- [2] **Wang C-Y**, Kuo Z-K, Chang M-P, Wang J-L and Lai P-L. **2019. 09** Newly designed ratchet growing rod for early onset scoliosis. 25th Congress of the European Society of Biomechanics, Vienna, Austria.
- [3] **Wang C-Y**, Chiang T-H, Chien S-Y, Tseng P-C, Yang T-T, Chuang Y-J, Chen C-L and Lin C-F. **2012. 05** Under Bcl-2 surveillance, cytokines, autophagy-dependently, induce p53-independent CD54 expression. (*Oral Presentation*). 99th American Association of Immunologists Annual Meeting, Boston, America.
- [4] **Wang C-Y**, Lin Y-S, Su W-C and Lin C-F. **2011. 12** Annexin A2 facilitates cell cycle by sustaining c-Jun N-terminal kinase-inhibited p53 expression in lung adenocarcinoma. 51th American Society for Cell Biology Annual Meeting (51th), Denver, America.
- [5] **Wang C-Y** and Lin C-F. **2011. 02** Annexin A2 facilitates lung tumor cell growth and cisplatin resistance by inhibiting p53-mediated cell cycle arrest. (*Best Poster Award*). International Symposium on Cell Signaling and Gene Regulation, Tainan, Taiwan.

- [6] **Wang C-Y**, Lin Y-S, Su W-C and Lin C-F. **2009. 12** Glycogen synthase kinase-3 and Omi/HtrA2 induce annexin A2 cleavage followed by cell cycle inhibition and apoptosis. 49th American Society for Cell Biology Annual Meeting (49th), San Diego, America.
- [7] **Wang C-Y**, Lin Y-S, Su W-C and Lin C-F. **2008. 11** Glycogen synthase kinase-3 and serine protease Omi/HtrA2 regulate annexin A2 cleavage under serum withdrawal. International Symposium on Cell Signaling and Gene Regulation, Tainan, Taiwan.
- [8] **Wang C-Y**, Huang W-C, Lin Y-S, Tsai C-C, Tseng H-C, Chen C-L, Lu P-J, Chen P-S, Hong J-S and Lin C-F. **2008. 10** Inhibition of glycogen synthase kinase-3 regulates nitric oxide and RANTES production in lipopolysaccharide-activated macrophage through anti-inflammatory IL-10. 4th Congress of the Federation of Immunology Societies of Asia-Oceania (FIMSA 2008), Taipei, Taiwan.