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論文

1. **Su JC**, Mar AC, Wu SH, Tai WT, Chu PY, Wu CY, Tseng LM, Lee TC, Chen KF, Liu CY, Chiu HC, Shiau CW. Disrupting VEGF-A paracrine and autocrine loops by targeting SHP-1 suppresses triple negative breast cancer metastasis. *Sci Rep*. 2016; 6:28888. (First author)
2. Mukherjee N, Lu Y, Almeida A, Lambert K, Shiau CW, **Su JC**, Luo Y, Fujita M, Robinson WA, Robinson SE, Norris DA, Shellman YG. Use of a MCL-1 inhibitor alone to de-bulk melanoma and in combination to kill melanoma initiating cells. *Oncotarget*. 2016 Apr 12.
3. Chang HC, Huang YT, Chen CS, Chen YW, Huang YT, **Su JC**, Teng LJ, Shiau CW, Chiu HC. In vitro and in vivo activity of a novel

sorafenib derivative SC5005 against MRSA. *J Antimicrob Chemother.* 2016; 71(2):449-59.

4. **Su JC**, Chang JH, Huang JW, Chen PP, Chen KF, Tseng PH, Shiau CW. Copper-obatoclox derivative complexes mediate DNA cleavage and exhibit anti-cancer effects in hepatocellular carcinoma. *Chem Biol Interact.* 2015; 228:108-13. (First author)
5. **Su JC**, Chiang HC, Tseng PH, Tai WT, Hsu CY, Li YS, Huang JW, Ko CH, Lin MW, Chu PY, Liu CY, Chen KF, Shiau CW. RFX-1-dependent activation of SHP-1 inhibits STAT3 signaling in hepatocellular carcinoma cells. *Carcinogenesis.* 2014; 35(12):2807-14. (First author)
6. Tai WT, Chu PY, Shiau CW, Chen YL, Li YS, Hung MH, Chen LJ, Chen PL, **Su JC**, Lin PY, Yu HC, Chen KF. STAT3 mediates regorafenib-induced apoptosis in hepatocellular carcinoma. *Clin Cancer Res.* 2014; 20(22):5768-76.
7. Liu CY, Hung MH, Wang DS, Chu PY, **Su JC**, Teng TH, Huang CT, Chao TT, Wang CY, Shiau CW, Tseng LM, Chen KF. Tamoxifen induces apoptosis through cancerous inhibitor of protein phosphatase 2A-dependent phospho-Akt inactivation in estrogen receptor-negative human breast cancer cells. *Breast Cancer Res.* 2014; 16(5):431.
8. **Su JC**, Tseng PH, Wu SH, Hsu CY, Tai WT, Li YS, Chen IT, Liu CY, Chen KF, Shiau CW. SC-2001 overcomes STAT3-mediated sorafenib resistance through RFX-1/SHP-1 activation in hepatocellular carcinoma. *Neoplasia.* 2014; 16(7):595-605. (First author)
9. **Su JC**, Tseng PH, Hsu CY, Tai WT, Huang JW, Ko CH, Lin MW, Liu CY, Chen KF, Shiau CW. RFX1-dependent activation of SHP-1 induces autophagy by a novel obatoclox derivative in hepatocellular carcinoma cells. *Oncotarget.* 2014; 5(13):4909-19. (First author)
10. Liu CY, **Su JC**, Ni MH, Tseng LM, Chu PY, Wang DS, Tai WT, Kao YP, Hung MH, Shiau CW, Chen KF. Obatoclox analog SC-2001 inhibits STAT3 phosphorylation through enhancing SHP-1 expression and induces apoptosis in human breast cancer cells. *Breast Cancer Res Treat.* 2014; 146(1):71-84. (First author)
11. Liu CY, Tseng LM, **Su JC**, Chang KC, Chu PY, Tai WT, Shiau CW, Chen KF. Novel sorafenib analogues induce apoptosis through

SHP-1 dependent STAT3 inactivation in human breast cancer cells. *Breast Cancer Res.* 2013; 15(4):R63.

12. **Su JC**, Chen KF, Chen WL, Liu CY, Huang JW, Tai WT, Chen PJ, Kim I, Shiau CW. Synthesis and biological activity of obatoclax derivatives as novel and potent SHP-1 agonists. *Eur J Med Chem.* 2012; 56:127-33. (First author)
13. Chen KF, Pao KC, **Su JC**, Chou YC, Liu CY, Chen HJ, Huang JW, Kim I, Shiau CW. Development of erlotinib derivatives as CIP2A-ablating agents independent of EGFR activity. *Bioorg Med Chem.* 2012; 20(20):6144-53.
14. Chen KF, **Su JC**, Liu CY, Huang JW, Chen KC, Chen WL, Tai WT, Shiau CW. A novel obatoclax derivative, SC-2001, induces apoptosis in hepatocellular carcinoma cells through SHP-1-dependent STAT3 inactivation. *Cancer Lett.* 2012; 321(1):27-35. (First author)
15. **Su JC**, Lin KL, Chien CM, Chuang PW, Chang LS, Lin SR. Concomitant inactivation of the epidermal growth factor receptor, phosphatidylinositol 3-kinase/Akt and Janus tyrosine kinase 2/signal transducer and activator of transcription 3 signalling pathways in cardiotoxin III-treated A549 cells. *Clin Exp Pharmacol Physiol.* 2010; 636(1-3):52-8. (First author)
16. Chien CM, Lin KL, **Su JC**, Chuang PW, Tseng CH, Chen YL, Chang LS, Lin SR. Naphtho[1,2-b]furan-4,5-dione induces apoptosis of oral squamous cell carcinoma: involvement of EGF receptor/PI3K/Akt signaling pathway. *Eur J Pharmacol.* 2010; 636(1-3):52-8.
17. Lin KL, **Su JC**, Chien CM, Tseng CH, Chen YL, Chang LS, Lin SR. Naphtho[1,2-b]furan-4,5-dione disrupts Janus kinase-2 and induces apoptosis in breast cancer MDA-MB-231 cells. *Toxicol In Vitro.* 2010; 24(4):1158-67.
18. Lin KL, **Su JC**, Chien CM, Chuang PW, Chang LS, Lin SR. Down-regulation of the JAK2/PI3K-mediated signaling activation is involved in Taiwan cobra cardiotoxin III-induced apoptosis of human breast MDA-MB-231. *Toxicon.* 2010; 55(7):1263-73.
19. **Su JC**, Lin KL, Chien CM, Tseng CH, Chen YL, Chang LS, Lin SR. Naphtho[1,2-b]furan-4,5-dione inactivates EGFR and PI3K/Akt signaling pathways in human lung adenocarcinoma A549 cells. *Life Sci.* 2010; 86(5-6):207-13. (First author)

- 20.**Chien CM, Lin KL, **Su JC**, Chang LS, Lin SR. Inactivation of epidermal growth factor receptor and downstream pathways in oral squamous cell carcinoma Ca9-22 cells by cardiotoxin III from *Naja naja atra*. *J Nat Prod*. 2009; 72(10):1735-40.
- 21.**Lin KL, **Su JC**, Chien CM, Tseng CH, Chen YL, Chang LS, Lin SR. Naphtho[1,2-b]furan-4,5-dione induces apoptosis and S-phase arrest of MDA-MB-231 cells through JNK and ERK signaling activation. *Toxicol In Vitro*. 2010; 24(1):61-70.
- 22.****Su JC**, Lin KL, Chien CM, Lu CM, Chen YL, Chang LS, Lin SR. Novel indoloquinoline derivative, IQDMA, induces G(2)/M phase arrest and apoptosis in A549 cells through JNK/p38 MAPK signaling activation. *Life Sci*. 2009; 85(13-14):505-16. (First author)
- 23.**Yang SH, Chien CM, **Su JC**, Chen YL, Chang LS, Lin SR. Novel indoloquinoline derivative, IQDMA, inhibits STAT5 signaling associated with apoptosis in K562 cells. *J Biochem Mol Toxicol*. 2008;22(6):396-404.