

生化科技學系教師個人資料

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經歷

國立嘉義大學生化科技系暨研究所 助理教授 (2014/08-迄今)
國家衛生研究院 博士後研究員 (2013/07-2014/07)
中國醫藥大學 博士後研究員 (2012/06-2013/07)
國立臺灣大學醫學院 博士後研究員 (2011/06-2012/06)
經國管理暨健康學院 兼任教師

研究領域及專長

生物化學、分子生物學、癌症抗藥性研究、中草藥的研究與開發、蛋白純化與鑑定、微小核糖核酸研究

研究成果

1. Secreted amphiregulin promotes vincristine resistance in oral squamous cell carcinoma. Hsieh MJ, Chen YH, Lee IN, Huang C, Ku YJ, **Chen JC**. *Int J Oncol*. 2019 Oct;55(4):949-959.
2. Valproic acid-induced amphiregulin secretion confers resistance to temozolomide treatment in human glioma cells. **Chen JC**, Lee IN, Huang C, Wu YP, Chung CY, Lee MH, Lin MH, Yang JT. *BMC Cancer*. 2019 Aug 1;19(1):756
3. Amphiregulin enhances cell migration and resistance to doxorubicin in chondrosarcoma cells through the MAPK pathway. **Chen JC**, Huang C, Lee IN, Wu YP, Tang CH. *Mol Carcinog*. 2018 Dec;57(12):1816-1824.
4. Epigallocatechin gallate inhibits hepatitis B virus infection in human liver chimeric mice. Lai YH, Sun CP, Huang HC, **Chen JC**, Liu HK, Huang C. *BMC Complement Altern Med*. 2018 Sep 6;18(1):248.
5. Coronarin D induces reactive oxygen species-mediated cell death in human nasopharyngeal cancer cells through inhibition of p38 MAPK and activation of JNK. **Chen JC**, Hsieh MC, Lin SH, Lin CC, Hsi YT, Lo YS, Chuang YC, Hsieh MJ, Chen MK. *Oncotarget*. 2017 Nov 14;8(64):108006-108019.
6. Inhibition of cathepsin S confers sensitivity to methyl protodioscin in oral cancer cells via activation of p38 MAPK/JNK signaling pathways. Hsieh MJ, Lin CW, Chen MK, Chien SY, Lo YS, Chuang YC, Hsi YT, Lin CC, **Chen JC**, Yang SF. *Sci Rep*. 2017 Mar 22;7:45039.
7. Dehydroandrographolide inhibits oral cancer cell migration and invasion through NF- κ B-, AP-1-, and SP-1-modulated matrix metalloproteinase-2 inhibition. Hsieh MJ, **Chen JC**, Yang WE, Chien SY, Chen MK, Lo YS, Hsi YT, Chuang YC, Lin CC, Yang SF. *Biochem Pharmacol*. 2017 Apr 15;130:10-20.
8. Polyphyllin G induce apoptosis and autophagy in human nasopharyngeal cancer cells by modulation of AKT and mitogen-activated protein kinase pathways in vitro and *in vivo*. Chen JC, Hsieh MJ, Chen CJ, Lin JT, Lo YS, Chuang YC, Chien SY, Chen MK. *Oncotarget*. 2016 Oct 25;7(43):70276-70289.
9. Emerging Physical Approaches for Promoting siRNA Intracellular Delivery for Cancer Therapy. Lee IN, Lu YP, **Chen JC**, Yang CH, Huang JW, Yang JT, Chiou PY and Lin MY. *Current Organic Chemistry*, (2016, May) 20 (28), 2961-2971.
10. Association between extracellular signal-regulated kinase expression and the anti-allodynic effect in rats with spared nerve injury by applying immediate pulsed radiofrequency. Yeh CC, Wu ZF, **Chen JC**, Wong CS, Huang CJ, Wang JS, Chien CC. *BMC Anesthesiol*. 2015 Jun 16;15:92.
11. Amphiregulin enhances α 6 β 1 integrin expression and cell motility in human chondrosarcoma cells through Ras/Raf/MEK/ERK/AP-1 pathway. **Chen JC**, Chen YJ, Lin CY, Fong YC, Hsu CJ, Tsai CH, Su JL, Tang CH. *Oncotarget*. 2015 May 10;6(13):11434-46.
12. BMP-7 enhances cell migration and α v β 3 integrin expression via a c-Src-dependent pathway in human chondrosarcoma cells. **Chen JC**, Yang ST, Lin CY, Hsu CJ, Tsai CH, Su JL, Tang CH. *PLoS One*. 2014 Nov 12;9(11):e112636.
13. CCL5 promotes VEGF-dependent angiogenesis by down-regulating miR-200b through PI3K/Akt signaling pathway in human chondrosarcoma cells. Liu GT, Chen HT, Tsou HK, Tan TW, Fong YC, Chen PC, Yang WH, Wang SW, **Chen JC**, Tang CH. *Oncotarget*. 2014 Nov 15;5(21):10718-31.
14. (-)-Epigallocatechin-3-gallate inhibits entry of hepatitis B virus into hepatocytes. Huang HC, Tao MH, Hung TM, **Chen JC**, Lin ZJ, Huang C. *Antiviral Res*. 2014 Nov;111:100-11.
15. Leptin increases VEGF expression and enhances angiogenesis in human chondrosarcoma cells. Yang WH, **Chen JC**, Hsu KH, Lin CY, Wang SW, Wang SJ, Chang YS, Tang CH. *Biochim Biophys Acta*. 2014 Dec;1840(12):3483-93.
16. Suppression of Dicer increases sensitivity to gefitinib in human lung cancer cells. **Chen JC**, Su YH, Chiu CF, Chang YW, Yu YH, Tseng CF, Chen HA, Su JL. *Ann Surg Oncol*. 2014 Dec;21 Suppl 4:S555-63.
17. Adiponectin enhances intercellular adhesion molecule-1 expression and promotes monocyte adhesion in human synovial fibroblasts. Chen HT, Tsou HK, **Chen JC**, Shih JM, Chen YJ, Tang CH. *PLoS One*. 2014 Mar 25;9(3):e92741.
18. Novel strategies for the treatment of chondrosarcomas: targeting integrins. **Chen JC**, Fong YC, Tang CH. *Biomed Res Int*. 2013;2013:396839.
19. The role of the VEGF-C/VEGFRs axis in tumor progression and therapy. **Chen JC**, Chang YW, Hong CC, Yu YH, Su JL. *Int J Mol Sci*. 2012 Dec 20;14(1):88-107.
20. Identification of critical amino acids in an immunodominant IgE epitope of Pen c 13, a major allergen from *Penicillium citrinum*. **Chen JC**, Chiu LL, Lee KL, Huang WN, Chuang JG, Liao HK, Chow LP. *PLoS One*. 2012;7(4):e34627.
21. The protease allergen Pen c 13 induces allergic airway inflammation and changes in epithelial barrier integrity and function in a murine model. **Chen JC**, Chuang JG, Su YY, Chiang BL, Lin YS, Chow LP. *J Biol Chem*. 2011 Jul 29;286(30):26667-79.
22. CD30 is involved in inhibition of T-cell proliferation by Hodgkin's Reed-Sternberg cells. Su CC, Chiu HH, Chang CC, **Chen JC**, Hsu SM. *Cancer Res*. 2004 Mar 15;64(6):2148-52