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服務部門	**職稱**
研究部-婦癌防治中心	研究助理

技術專長

1. Plasmid construction.
2. Yeast two-hybrid system.
3. RT-PCR Q-PCR Cell culture.
4. Western blot analysis.
5. Confocal microscopy.
6. Immunoprecipitation assay.
7. RNAi knockdown system (Lentiviral-shRNA).
8. Protein purification.
9. ELISA
10. Flow Cytomentry
11. Virus culture

Journal Publications :

(1) Hsuan-Shun Huang, **Che-Fang Hsu**, Sung-Chao Chu, Pao-Chu Chen, Dah-Ching Ding, Meng-Ya Chang, Tang-Yuan Chu: *Haemoglobin in pelvic fluid rescues fallopian tube epithelial cells from ROS stress and apoptosis*. The Journal of Pathology 09/2016; 240(4)., DOI:10.1002/path.4807

(2) Ching-Hua Yeh, Pao-Chu Chen, Chiu-Hua Chen, **Che-Fang Hsu**, Rui-Len Huang, Dah-Ching Ding, Tang-Yuan Chu: *Platelet-Derived Growth Factor in the Ovarian Follicle Attracts the Stromal Cells of the Fallopian Tube Fimbriae*. PLoS ONE 07/2016; 11(7):e0158266., DOI:10.1371/journal.pone.0158266

(3) Hsuan-Shun Huang, **Che-Fang Hsu**, Tang-Yuan Chu: *Abstract B02: Oxidized hemoglobin promotes survival of ROS-stressed and DNA damaged fallopian tube epithelial cells with p53 loss, resulting in a copy number variation phenotype of HGSC.*. Clinical Cancer Research 01/2016; 22(2 Supplement):B02-B02., DOI:10.1158/1557-3265.OVCA15-B02

(4) Tang-Yuan Chu, Hsuan-Shun Huang, **Che-Fang Hsu**: *Abstract B01: Mutagenic and tumorigenic effects of follicular fluid in the context of p53 loss: Initiation of fimbria carcinogenesis.*. Clinical Cancer Research 01/2016; 22(2 Supplement):B01-B01., DOI:10.1158/1557-3265.OVCA15-B01

(5) Hsuan-Shun Huang, Sung-Chao Chu, **Che-Fang Hsu**, Pao-Chu Chen, Da-Ching Ding, Meng-Ya Chang, Tang-Yuan Chu: *Manuscript title: Mutagenic, surviving and tumorigenic effects of follicular fluid in the context of p53 loss: initiation of fimbria carcinogenesis*. Carcinogenesis 09/2015; 36(11)., DOI:10.1093/carcin/bgv132

(6) H.S. Huang, S.C. Chu, **C.F. Hsu**, P.C. Chen, D.C. Ding, M.Y. Chang: *Mutagenic, surviving and tumorigenic effects of follicular fluid in the context of p53 loss: Initiation of fimbria carcinogenesis*. Carcinogenesis 01/2015; 36(11):1419-1428.

(7) H.-S. Huang, **C.-F. Hsu**, Taolan Zhang, T.-Y. Chu: *Abstract PR03: Oxidants and antioxidants in the follicular fluid in initiation of fimbriae carcinogenesis*. Clinical Cancer Research 05/2014; 19(19_Supplement):PR03-PR03., DOI:10.1158/1078-0432.OVCA13-PR03

(8) Chee-Hing Yang, Hui-Chun Li, Jeng-Geng Jiang, **Che-Fang Hsu**, Yi-Jen Wang, Meng-Jiun Lai, Yue-Li Juang, Shih-Yen Lo: *Enterovirus type 71 2A protease functions as a transcriptional activator in yeast*. Journal of Biomedical Science 08/2010; 17(1):65., DOI:10.1186/1423-0127-17-65

(9) Chia-Wei Chang, Hui-Chun Li, **Che-Fang Hsu**, Chiao-Yen Chang, Shih-Yen Lo: *Increased ATP generation in the host cell is required for efficient vaccinia virus production*. Journal of Biomedical Science 02/2009; 16(1):80., DOI:10.1186/1423-0127-16-80