

負責老師: 吳定峰

研究領域

以蛋白質體學與分子生物學技術探究(1)具化學預防保健食品之療效；
(2)泌尿上皮惡性腫瘤形成機轉以及找尋癌症的分子符號

重要設備

二維電泳設備、即時聚合酵素連鎖反應器、Typhoon 9200雷射掃描器 (G305)、DeCyder軟體、PDQUEST軟體、Fjuil LAS300冷光偵測器 (G305)、西方墨點設備、HPLC (G303)與製備型HPLC等分子生物學之相關設備

計畫 (2007-2012)

國科會計畫: 8 件; 產學計畫: 12 件

主要成果 (2009-2012)

1. Lee, S.-T., Wu, Y.-L., Chien, L.-H., Chen, S.-T., Tzeng, Y.-K., **Wu, T.-F.*** (2012).

Proteomic exploration of the impacts of pomegranate fruit juice on the global gene expression of prostate cancer cell. **Proteomics, in press (SCI).**

2. Liao, Alex C., Li, C.-F., Shen, K.-H., Chien, L.-H., Huang, H.-Y., **Wu, T.-F.*** (2011).

Loss of lactate dehydrogenase B subunit expression is correlated with tumour progression and independently predicts inferior disease-specific survival in urinary bladder urothelial carcinoma. **Pathology 7, 707-712 (SCI).**

3. Liao, K.-A., Tsay, Y.-G., Huang, L.-C., Huang, H.-Y., Li, C.-F.*, **Wu, T.-F.*** (2011).

Search for the tumor-associated proteins of oral squamous cell carcinoma collected in Taiwan using proteomics strategy. **J. Proteome Res. 10, 2347-2358 (SCI).**

4. Chan, Y.-Y., Chang, C.-S., Chien, L.-H., **Wu, T.-F.*** (2010). Apoptotic effects of a high performance liquid chromatography (HPLC) fraction of *Antrodia camphorata* mycelia are mediated by down-regulation of the expressions of four tumor-related genes in human non-small cell lung carcinoma A549 cell. **J. Ethnopharm. 127, 652-661 (SCI).**

5. Li, C.-F., Shen, K.-H., Huang, L.-C., Huang, H.-Y., Wang, Y.-H. and **Wu, T.-F.*** (2010). Annexin-I overexpression is associated with tumor progression and independently predicts inferior disease-specific and metastasis-free survival in urinary bladder urothelial carcinoma. **Pathology 42, 43-49 (SCI).**

6. **Wu, T.-F.**, Huang, W.-C., Chen, Y.-C., Tsay, Y.-G.* and Chang, C.-S.* (2009). Proteomic investigation of the impact of oxygen on the protein profiles of hyaluronic acid-producing *S.zooepidemicus*. **Proteomics 9, 1-12 (SCI).**

