

## 聯絡方式

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## 現職

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- 高雄醫學大學牙醫學系 助理教授 2017/08~

## 學歷

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- 高雄醫學大學牙醫學系 博士 2008/09-2013/06
- 高雄醫學大學口腔衛生學系 碩士 2006/09-2008/06

## 經歷

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- 高雄醫學大學牙醫學系 助理教授 2017/08~
- 高雄醫學大學附設中和紀念醫院臨床醫學研究部 博士後研究員 2017/08-2017/07
- 國家實驗研究院儀器科技發展中心 專案助理研究員 2013/07-2014/07

## 研究專長及領域

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- 口腔癌分子生物學
- 口腔公共衛生
- 口腔流行病學

- 轉譯研究

## 著作目錄

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### 期刊論文

(依年度排序·最新的排前面)\* 通訊作者

1. Hsueh-Wei Chang, Ching-Yu Yen, Chung-Ho Chen, Jun-Hsu Tsai, Jen-Yang Tang, Yung-Ting Chang, Yu-Hsun Kao, **Yen-Yun Wang**, Shyng-Shiou F. Yuan, Sheng-Yang Lee (2018, Jan). Evaluation of the mRNA expressions of integrins $\alpha$ 3,  $\alpha$ 5,  $\beta$ 1 and  $\beta$ 6 as tumor biomarkers of oral squamous cell carcinoma. *Oncology Letters*.
2. Pei-Hsien Liao, **Yen-Yun Wang**, Wen-Chen Wang, Yue-Chuan Kao, Jing-Wei Hsu, Ching-Yi Chen, Shyng-Shiou Yuan, Yuk-Kwan Chen (2017, Dec). Overexpression of sprouty2 in human oral squamous cell carcinogenesis. *Archives of Oral Biology*, 87:131-142. 本人為第一作者.
3. Hung, Chih-Chang ; Chien, Chen-Yu; Chu, Pei-Yu; Wu, Yu-Jen; Lin, Chang- Shen; Huang, Chih-Jen; Chan, Leong-Perng; **Wang, Yen Yun**; Yuan, Shyng-Shiou F.; Hour, Tzyh-Chyuan; Chen, Jeff Yi-Fu (2017, Aug). Differential resistance to platinum-based drugs and 5-fluorouracil in p22phox-overexpressing oral squamous cell carcinoma: implications of alternative treatment strategies. *Journal for The Sciences & Specialties of The Head and Neck*, 39(8):1621-1630.
4. **Yen-Yun Wang**, PhD, Yuk-Kwan Chen, DDS, MS, Stephen Chu-Sung Hu, MD, PhD, Ya-Ling Hsu, MS, Chun-Hao Tsai, MS, Tsung-Chen Chi, MS, Pei-Wen Hsieh, PhD, Shyng-Shiou F. Yuan, MD, PhD \* (2017, Jun). CYT-Rx20 inhibits ovarian cancer cells in vitro and in vivo through oxidative stress-induced DNA damage and cell apoptosis. *Cancer Chemotherapy and Pharmacology*, 79(6):1129-1140. 本人為第一作者.
5. **Yen-Yun Wang**, Pei-Wen Hsieh, Yuk-Kwan Chen, Stephen Chu-Sung Hu, Ya- Ling Hsu, MS,a Chun-Hao Tsai, Shyng-Shiou F. Yuan\* (2017, Apr). CYT-Rx20 inhibits cervical cancer cell growth and migration through oxidative stress induced DNA damage, cell apoptosis and EMT inhibition. *International Journal of Gynecological Cancer*, 27: 1306-1317. 本人為第一作者.
6. Chun-Hao Tsai, Pei-Wen Hsieh, Yi-Chen Lee, Chie-Hong Wang, Wen-Chin Chiu, Chun-Wun Lu, **Yen-Yun Wang**, Stephen Chu-Sung Hu, Tain-Lu Cheng, Shyng-Shiou F. Yuan\* (2017, Mar). 3'-hydroxy-4'-methoxy- $\beta$ -methyl- $\beta$ - nitrostyrene inhibits tumor growth through ROS generation and GSH depletion in lung cancer cells. *Life Sciences*.
7. Tze-Ta Huang, Jehn-Shyun Huang, **Yen-Yun Wang**, Ken-Chung Chen, Tung-Yiu Wong, Yi-Chun Chen, Che-Wei Wu, Leong-Perng Chan, Yi-Chu Lin, Yu-Hsun Kao, Shoko Nioka, Shyng-Shiou F. Yuan\*, Pau-Choo Chung\* (2017, Mar). Novel Quantitative Analysis of the Autofluorescence Images for Oral Cancer Screen. *Oral Oncology*, 68:20-26.
8. Wen-Chin Chiu, Yi-Chen Lee, Yu-Han Su, **Yen-Yun Wang**, Chun-Hao Tsai, Yi- An Hou, Chie-Hong Wang, Ying-Fong Huang, Chih-Jen Huang, Shah-Hwa Chou, Pei-Wen Hsieh, Shyng-Shiou F. Yuan\* (2016, Nov). The Synthetic  $\beta$ - Nitrostyrene Derivative CYT-Rx20 Inhibits Esophageal Tumor Growth and Metastasis via PI3K/AKT and STAT3 Pathways. *PLOS ONE*.

9. **Yen-Yun Wang**, Yuk-Kwan Chen, Ya-Ling Hsu, MS, Wen-Chin Chiu, PhD, Chun-Hao Tsai, Stephen Chu-Sung Hu, Pei-Wen Hsieh, Shyng-Shiou F. Yuan \* (2016, Oct). The synthetic  $\beta$ -nitrostyrene derivative CYT-Rx20 inhibits oral cancer cell proliferation and tumor growth through GSH suppression and ROS induction *Journal for The Sciences & Specialties of The Head and Neck*, 39(6):1055-1064. 本人為第一作者.

10. Wu TL, Tsai CC, **Yen-Yun Wang**, Ho KY, Wu YM, Hung HC, Lin YC\* (2015, Dec). The association between the RAGE G82S polymorphism, sRAGE and chronic periodontitis in Taiwanese individuals with and without diabetes. *J Periodontal Res*, 50(6):881-9.

11. Er TK#, **Yen-Yun Wang**#, Chen CC, Herreros-Villanueva M, Liu TC, Yuan SS\* (2015, Oct). Molecular characterization of oral squamous cell carcinoma using targeted next-generation sequencing. *Oral Dis*. 本人為第一作者.

12. Sheng-Hung Wang, Hsin-Chia Hung, Chi-Cheng Tsai, Meng-Chuan Huang, Kun-Yen Ho, Yi-Min Wu, **Yen-Yun Wang**, Ying-Chu Lin, (2014, Aug). Plasma polyunsaturated fatty acids and periodontal recovery in Taiwanese with periodontitis: A significant relationship. *Archives of Oral Biology*.

13. **Yen-Yun Wang**, Yen-Hsuan Tail, Wen-Chen Wang, Ching-Yi Chen, Yu-Hsun Kao, Yuk-Kwan Chen\*, and Chung-Ho Chen\* (2014, Aug). Malignant transformation in 5071 southern Taiwanese patients with potentially malignant oral mucosal disorders. *BMC Oral Health*, 2014 Aug 5;14:99. doi: 10.1186/1472-6831-14-99. 本人為第一作者.

14. Shyh-Jong Wu, Yun-Ju Chen, Tien-Yu Shieh, Chun-Ming Chen, **Yen-Yun Wang**, Kun-Tsung Lee, Yueh-Ming Lin, Pei-Hsuan Chien, and Ping-Ho Chen (2014, Jun). Association Study between Novel CYP26 Polymorphisms and the Risk of Betel Quid-Related Malignant Oral Disorders. *The ScientificWorld Journal*, 2015:160185.

15. **Yen-Yun Wang**, Ying-Chu Lin, Hsin-Chia Hung, Wan-Yu Tien, Tien-Yu Shieh (2013, Nov). Polymorphisms in Kallikrein7 and 10 genes and oral cancer risks in Taiwan betel quid chewers and smokers. *ORAL DISEASES*. NSC 98-2314-B-037-037-MY2. 本人為第一作者.

## 研究計劃

| 序號 | 計畫名稱  | 補助或委託機構 | 執行期限                          | 執行情形 | 經費總額      | 計畫內擔任的工作 |
|----|---|---------|-------------------------------|------|-----------|----------|
| 1  | 探討高低 ITGA3 表現對 PARPi 與 X-ray 的單獨與結合處理口腔癌細胞的生長抑制作用與機制(107-2314-B-037-048-) | 科技部     | 2018/08/01<br> <br>2019/07/31 | 執行中  | 700,000   | 共同主持人    |
| 2  | Orai 與 STIM 表現與人類口腔鱗狀細胞癌預後之相關性探討(107-2314-B-037-045-)                     | 科技部     | 2018/08/01<br> <br>2019/07/31 | 執行中  | 1,000,000 | 共同主持人    |
| 3  | 探討 DNA 修復蛋白 MRE11 在口腔癌轉移過程中扮演的角色(107-2314-B-037-007-)                     | 科技部     | 2018/01/01<br> <br>2018/10/31 | 執行中  | 650,000   | 主持人      |

| 序號 | 計畫名稱   | 補助或委託機構        | 執行期限                          | 執行情形 | 經費總額        | 計畫內擔任的工作                |
|----|--|----------------|-------------------------------|------|-------------|-------------------------|
| 4  | 探討 Interleukin-1 receptor antagonist (IL1RN)在口腔癌轉移過程中扮演的角色 | 中山大學<br>高雄醫學大學 | 2018/01/01<br> <br>2018/12/31 | 執行中  | 400,000     | 主持人                     |
| 5  | 提升口腔癌前病變及口腔癌診斷率之整合性研究                                      | 衛生福利部          | 2018/01/01<br> <br>2021/12/31 | 執行中  | 60,000,000  | 總計畫共同<br>主持人分項<br>計畫主持人 |
| 6  | 細胞自噬在光動力療法治療口腔癌前病變上所扮演的角色                                  | 高雄醫學大學         | 2018/01/01<br> <br>2018/12/31 | 執行中  | 330,000     | 主持人                     |
| 7  | 細胞質內的 RAD51 對乳癌進展的功能性研究                                    | 高雄醫學大學         | 2018/08/01<br> <br>2019/07/31 | 執行中  | 1,030,000   | 共同主持人                   |
| 8  | 以口腔潛在惡性病變為標靶之預防策略開發  | 衛生福利部          | 2016/01/01<br> <br>2017/12/31 | 已結案  | 3,000,000   | 共同主持人                   |
| 9  | 以改善患者存活及生活品質為中心思考的整合性癌症轉譯研究                                | 衛生福利部          | 2013/01/01<br> <br>2017/12/31 | 已結案  | 120,000,000 | 子計畫共同<br>主持人            |
| 10 | 補充「左旋麩醯胺酸」對於手術切除後之口腔癌病人於接受放射線治療時的營養狀態與對放療所引起的飲食相關副作用之影響    | 吉泰藥品股份有限公司     | 2014/07/15<br> <br>2016/01/15 | 已結案  | 2,100,000   | 共同主持人                   |
| 11 | 發展早期偵測口腔潛在惡性病變之診斷平台以降低惡性轉變率                                | 衛生福利部          | 2014/10/01<br> <br>2015/12/31 | 已結案  | 10,100,000  | 子計畫共同<br>主持人            |