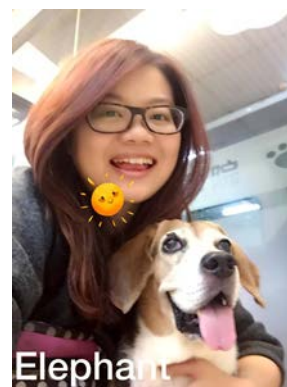


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### Education

Kaohsiung Medical University School of Dentistry PhD 2008/09-2013/06

Kaohsiung Medical University of Department of Oral Hygiene MS 2006/09-2008/06

### Current position and relevant experience

Assistant Professor (2017/08~), Kaohsiung Medical University School of Dentistry

Postdoctoral Research Fellow (2014/08-2017/07), Department of Medical Research,  
Kaohsiung Medical University Hospital

Assistant Researcher(2013/07-2014/07), Taiwan Instrument Research Institute,  
National Applied Research Laboratories

### Specialty

Molecular Biology of Oral Cancer

Oral Hygiene

Oral Epidemiology

Translational Research

### References

1	Yi-Chen Lee, Chun-Yu Lin, Yen-Hsu Chen, Wen-Chin Chiu, <b>Yen-Yun Wang</b> , Chin Hsu, Stephen Chu-Sung Hu, Yu-Han Su and Shyng-Shiou F. Yuan Essential Role of Visfatin in Lipopolysaccharide and Colon Ascendens Stent Peritonitis-Induced Acute Lung Injury. Int J Mol Sci. 2019 Apr 4;20(7). pii: E1678
2	Yi-Fang Yang, Yi-Chen Lee, Yen-Yun Wang, Chie-Hong Wang, Ming-Feng Hou, Shyng-Shiou F. Yuan YWHAЕ promotes proliferation, metastasis, and hemoresistance in breast cancer cells (2019, Apr.) The Kaohsiung journal of medical sciences
3	Yao-Kuang Wang, Wei-Chung Chen, Ying-Ho Lai, Yi-Hsun Chen, Ming-Tsang Wu, Chie-Tong Kuo, <b>Yen-Yun Wang</b> , Shyng-Shiou F. Yuan, Yu-Peng Liu, and I-Chen Wu Influence of Tea Consumption on the Development of Second Esophageal Neoplasm in Patients

	with Head and Neck Cancer Cancers 2019, 11(3), 387
4	<b>Yen-Yun Wang</b> , Yuk-Kwan Chen, Chu-Sung Hu, Ling-Yi Xiao, Wan-Ling Huang, Tsung-Chen Chi, Kuang-Hung Cheng, Yun-Ming Wang*, Shyng-Shiou F. Yuang MAL-PDT inhibits oral precancerous cells and lesions via autophagic cell death Oral Dis. 2019 Apr;25(3):758-771.
5	Chih-Jen Huang, Ming-Yii Huang, Pen-Tzu Fang; Frank Chen, Yu-Tsang Wang, Chung-Ho Chen, Shyng-Shiou Yuan, Chun-Ming Huang, Kuei-Hau Luo, Hung-Yi Chuang, <b>Yen-Yun Wang</b> , Hsin Hua Lee, M.D. Randomized Double-Blind, Placebo-Controlled Phase III trial Evaluating the Effect of Oral Glutamine on Radiation-Induced Oral Mucositis and Neck Dermatitis in Head and Neck Cancer Patients Am J Clin Nutr. 2019 Mar 1;109(3):606-614
6	Hsueh-Wei Chang, Ching-Yu Yen, Chung-Ho Chen, Jun-Hsu Tsai, Jen-Yang Tang, Yung-Ting Chang, Yu-Hsun Kao, <b>Yen-Yun Wang</b> , 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. Oncol Lett. 2018 Oct; 16(4): 4773–4781
7	Pei-Hsien Liao, <b>Yen-Yun Wang</b> , 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.
8	Hung, Chih-Chang ; Chien, Chen-Yu; Chu, Pei-Yu; Wu, Yu-Jen; Lin, Chang- Shen; Huang, Chih-Jen; Chan, Leong-Perng; <b>Wang, Yen Yun</b> ; 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.
9	<b>Yen-Yun Wang</b> , 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. <i>Cancer Chemotherapy and Pharmacology</i> , 79(6):1129-1140.
10	<b>Yen-Yun Wang</b> , Pei-Wen Hsieh, Yuk-Kwan Chen, Stephen Chu-Sung Hu, Ya-Ling Hsu, MS, 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. <i>International Journal of Gynecological Cancer</i> , 27: 1306-1317.
11	Chun-Hao Tsai, Pei-Wen Hsieh, Yi-Chen Lee, Chie-Hong Wang, Wen-Chin Chiu, Chun-Wun Lu, <b>Yen-Yun Wang</b> , 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. <i>Life Sciences</i> .
12	Tze-Ta Huang, Jehn-Shyun Huang, <b>Yen-Yun Wang</b> , 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. <i>Oral Oncology</i> , 68:20-26.
13	Wen-Chin Chiu, Yi-Chen Lee, Yu-Han Su, <b>Yen-Yun Wang</b> , 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. <i>PLOS ONE</i> .
14	<b>Yen-Yun Wang</b> , 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 <i>Journal for The Sciences &amp; Specialties of The Head and Neck</i> , 39(6):1055-1064.
15	Wu TL, Tsai CC, <b>Yen-Yun Wang</b> , 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. <i>J</i>

	Periodontal Res, 50(6):881-9.
16	Er TK#, <b>Yen-Yun Wang</b> #, 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..
17	Sheng-Hung Wang, Hsin-Chia Hung, Chi-Cheng Tsai, Meng-Chuan Huang, Kun-Yen Ho, Yi-Min Wu, <b>Yen-Yun Wang</b> , Ying-Chu Lin, (2014, Aug). Plasma polyunsaturated fatty acids and periodontal recovery in Taiwanese with periodontitis: A significant relationship. Archives of Oral Biology.
18	<b>Yen-Yun Wang</b> , 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.
19	Shyh-Jong Wu, Yun-Ju Chen, Tien-Yu Shieh, Chun-Ming Chen, <b>Yen-Yun Wang</b> , 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.
20	<b>Yen-Yun Wang</b> , 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.

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	DSB 修復核酸分解酵素 MRE11 在口腔癌中的探討 (108-2314-B-037-014-)	科技部	2019/08/01   2020/07/31	執行中	735,000	主持人
2	代謝相關酵素在癌症轉移中所扮演的角色	高雄醫學大學	2019/03/21   2021/03/20	執行中	1000,000	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
3	探討 MRE11 透過下游 CD44 在口腔癌轉移過程中扮演的角色	中山大學 高雄醫學大學	2019/01/01   2019/12/31	執行中	260,000	主持人
4	針對口腔潛在惡性病變開發口內膏劑型臨床用藥	高雄醫學大學	2018/12/01   2019/11/30	執行中	200,000	主持人
5	MAL 光動力治療誘導口腔癌細胞走向凋亡	高雄醫學大學	2018/12/01   2019/11/30	執行中	200,000	主持人
6	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   2018/10/31	執行中	650,000	主持人
7	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 高雄醫學大學	2018/01/01   2018/12/31	執行中	400,000	主持人
8	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   2018/12/31	執行中	330,000	主持人
9	牙科?復物光澤度量測系統開發(107-2622-E-492-016-CC3)	科技部	2018/11/01   2019/10/31	執行中	610,000	共同主持人
10	?化物功能性色酮(CHW09)對口腔癌細胞的 X-ray 增敏作用(108-2314-B-037-020-)	科技部	2019/08/01   2020/07/31	執行中	880,000	共同主持人
11	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   2019/07/31	執行中	700,000	共同主持人
12	STIM 表現與人類口腔鱗狀細胞癌預後之相關性探討(108-2314-B-037-017-)	科技部	2019/08/01   2020/07/31	執行中	1,070,000	共同主持人
13	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   2019/07/31	執行中	1,000,000	共同主持人
14	細胞質內的 RAD51 對乳癌進展的功能性研究	高雄醫學大學	2018/01/01   2019/07/31	執行中	1,030,000	共同主持人

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
15	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   2021/12/31	執行中	60,000,000	總計畫共同主持人分項計畫主持人
16	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   2017/12/31	已結案	3,000,000	共同主持人
17	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   2016/01/15	已結案	2,100,000	共同主持人
18	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   2017/12/31	已結案	120,000,000	子計畫共同主持人
19	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   2015/12/31	已結案	10,100,000	子計畫共同主持人