



## 黃詠愷 Yung-Kai Huang 副教授

### 聯絡方式

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### 現職

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- 高雄醫學大學口腔衛生學系 副教授 2019.02~迄今

### 學歷

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- 臺北醫學大學醫學科學研究所 博士 2002~ 2008
- 臺北醫學大學公共衛生研究所 碩士 2000~ 2002
- 臺北醫學大學護理學系 學士 1995 ~ 1999

### 經歷

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- 臺北醫學大學口腔衛生學系副教授 2015-2019
- 臺北醫學大學口腔衛生學系助理教授 2010-2015
- 國家衛生研究院 環境衛生與職業醫學組 2009-2010

### 專長

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- 口腔疾病生物標記
- 口腔公共衛生
- 口腔流行病學

## 研究領域

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- 唾液抗氧化生物標記
- 牙周病治療成效
- 口腔衛生知識行為態度與生物標記
- 香菸暴露與牙周病治療成效

## 任教科目

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- 大學部：長照者口腔健康照護、口腔衛生教育、社區口腔衛生、研究法概論
- 碩士班：流行病學特論、社區口腔健康發展學特論

## 學術著作

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### 期刊論文

( I ) SCI/SSCI 期刊論文 ( 依年度排序 · 最新的排前面 ) \* Corresponding author

1. Lee CY, Choy CS, Lai YC, Chang CC, Teng NC, Huang WT, Lin CT, **Huang YK**\*. A Cross-Sectional Study of Endogenous Antioxidants and Patterns of Dental Visits of Periodontitis Patients. *Int J Environ Res Public Health* 2019; 16.
2. Wu CC, **Huang YK**, Huang CY, Shiu HS, Pu YS, Su CT, Lin YC, Hsueh YM. Polymorphisms of TNF-alpha -308 G/A and IL-8 -251 T/A Genes Associated with Urothelial Carcinoma: A Case-Control Study. *Biomed Res Int* 2018; 2018: 3148137.
3. Chang CH, Han ML, Teng NC, Lee CY, Huang WT, Lin CT, **Huang YK**\*. Cigarette Smoking Aggravates the Activity of Periodontal Disease by Disrupting Redox Homeostasis- An Observational Study. *Sci Rep* 2018; 8: 11055.
4. Dima S, Wang KJ, Chen KH, **Huang YK**, Chang WJ, Lee SY, Teng NC. Decision Tree Approach to the Impact of Parents' Oral Health on Dental Caries Experience in Children: A Cross-Sectional Study. *Int J Environ Res Public Health* 2018; 15: E692.
5. Renn TY, **Huang YK**, Feng SW, Wang HW, Lee WF, Lin CT, Burnouf T, Chen LY, Kao PF, Chang HM. Prophylactic supplement with melatonin successfully suppresses the pathogenesis of periodontitis through normalizing RANKL/OPG ratio and depressing the TLR4/MyD88 signaling pathway. *J Pineal Res* 2018; 64: e12464.
6. Chang CH, Lee CY, Feng SW, Miao NF, Lin PH, Lin CT, Tsai SH, **Huang YK**\*. Effects of Salivary Oxidative Markers on Edentulous Patients' Satisfaction with Prosthetic Denture Treatments: A Pilot Study. *PLoS One* 2016; 11: e0151605.
7. Kuo YJ, **Huang YK**, Chou HC, Pai MH, Lee AW, Mai FD, Chang HM. Reduced dental calcium expression and dental mass in chronic sleep deprived rats: Combined EDS, TOF-SIMS, and micro-CT analysis. *Applied Surface Science* 2015; 345: 141-144.
8. Shyu KG, Choy CS, Wang DCL, Huang WC, Chan SY, Chan HC, Lin CT, Chang CC, **Huang YK**\*. \* Change of Scaling-Induced Proinflammatory Cytokine on the Clinical Efficacy of Periodontitis Treatment. *The Scientific World Journal* 2015; 2015: 289647--.

9. Lin PH, Yeh SK, Huang WC, Chen HY, Chen CH, Sheu JR, Lin CT, **Huang YK**.<sup>\*</sup> Research performance of biomarkers from biofluids in periodontal disease publications. *Journal of Dental Sciences* 2015; 10: 61-67.
10. Lu WJ, Lin SC, Lan CC, Lee TY, Hsia CH, **Huang YK**, Lee HC, Sheu JR. Effect of *Androea camphorata* on Inflammatory Arterial Thrombosis-Mediated Platelet Activation: The Pivotal Role of Protein Kinase C. *The Scientific World Journal* 2014; 2014: 745802--.
11. Lin HC, **Huang YK**, Shiue HS, Chen LS, Choy CS, Huang SR, Han BC, Hsueh YM. Arsenic methylation capacity and obesity are associated with insulin resistance in obese children and adolescents. *Food and Chemical Toxicology* 2014; 74: 60-67.
12. Hsieh SC, Tsao JT, Lew WZ, Chan YH, Lee LW, Lin CT, **Huang YK**.<sup>\*</sup> Huang HM. Static magnetic field attenuates lipopolysaccharide-induced inflammation in pulp cells by affecting cell membrane stability. *Scientific World Journal* 2014; 2014: 49268.
13. Yang PS, Huang WC, Chen SY, Chen CH, Lee CY, Lin CT, **Huang YK**.<sup>\*</sup> Scaling stimulated changes in salivary antioxidants and oral-health behaviors in an evaluation of periodontal treatment outcomes. *Scientific World Journal* 2014; 2014: 81467.
14. Chang Y, Chang TC, Lee JJ, Chang NC, **Huang YK**, Choy CS, Jayakumar T. Sanguis draconis, a Dragon's Blood Resin, Attenuates High Glucose-Induced Oxidative Stress and Endothelial Dysfunction in Human Umbilical Vein Endothelial Cells. *Scientific World Journal* 2014; 2014: 423259.
15. Jayakumar T, Chang CC, Lin SL, **Huang YK**, Hu CM, Elizebeth AR, Lin SC, Choy CS. Brazilin ameliorates high glucose-induced vascular inflammation via inhibiting ROS and CAMs production in human umbilical vein endothelial cells. *BioMed Research International* 2014; 2014: 403703.
16. **Huang YK**, Lee WF, Wang MJ, Chang YH, Tchaou WS, Chang WJ, Lee SY, Sheu JR, Teng NC. Chair-side quantitative oral-microflora screening for assessing familial correlation of periodontal status and caries prevalence. *PLoS ONE* 2014; 9: e87100.
17. **Huang YK**, Chang TC, Sheu JR, Wen KH, Chou DS. Comparison of free radical formation induced by baicalein and pentamethyl-hydroxychromane in human promyelocytic leukemia cells using electron spin resonance. *Journal of Food and Drug Analysis* 2014; 22: 379-390.
18. Chen YC, Huang RL, **Huang YK**, Laio YP, Su PH, Wang HC, Chang CC, Lin YW, Yu MH, Chu TY, Lai HC. Methylomics analysis identifies epigenetically silenced genes and implies an activation of b-catenin signaling in cervical cancer. *International Journal of Cancer* 2014; 135: 117-127.
19. Jayakumar T, Chiu CC, Wang SH, Chou DS, **Huang YK**.<sup>\*</sup> Sheu JR. Anti-cancer effects of CME-1, a novel polysaccharide, purified from the mycelia of *Cordyceps sinensis* against B16-F10 melanoma cells. *J Cancer Res Ther* 2014; 10: 43-49.
20. **Huang YK**, Peng BY, Wu CY, Su CT, Wang HC, Lai HC. DNA methylation of PAX1 as a biomarker for oral squamous cell carcinoma. *Clinical Oral Investigations*: Springer Berlin Heidelberg; 2014. p. 801-808.
21. Wu CC, **Huang YK**, Chung CJ, Huang CY, Pu YS, Shiue HS, Lai LA, Lin YC, Su CT, Hsueh YM. Polymorphism of inflammatory genes and arsenic methylation capacity are associated with urothelial carcinoma. *Toxicol Appl Pharmacol* 2013; 272: 30-36.
22. Wu CC, Chen MC, **Huang YK**, Huang CY, Lai LA, Chung CJ, Shiue HS, Pu YS, Lin YC, Han BC, Wang YH, Hsueh YM. Environmental tobacco smoke and arsenic methylation capacity are associated with urothelial carcinoma. *Journal of the Formosan Medical Association* 2013; 112: 554-560.
23. **Huang YK**, Chen SC-C, Yu JK-L, Chen PF, Chiang MH, Khosa B, Chiang HC. Voluntary Counseling and Testing in the

- Pediatric Ward of Mzuzu Central Hospital, Northern Malawi. *Journal of Experimental & Clinical Medicine* 2013; 5: 104-108.
24. Uen YH, Lin KY, Sun DP, Liao CC, Hsieh MS, **Huang YK**, Chen YW, Huang PH, Chen WJ, Tai CC, Lee KW, Chen YC, Lin CY. Comparative proteomics, network analysis and post-translational modification identification reveal differential profiles of plasma Con A-bound glycoprotein biomarkers in gastric cancer. *J Proteomics* 2013; 83: 197-213.
25. Lin CY, Wei PL, Chang WJ, **Huang YK**, Feng SW, Lin CT, Lee SY, Huang HM. Slow Freezing Coupled Static Magnetic Field Exposure Enhances Cryopreservative Efficiency-A Study on Human Erythrocytes. *PLoS ONE* 2013; 8: e58988-e58988.
26. Hsieh SC, Lin SL, **Huang YK**, Chang WJ, Yuan CC, Lo YJ, Lee SY, Huang HM. Detection of looseness degree of dental posts using natural frequency analysis. *Proceedings of the Institution of Mechanical Engineers - Part H: Journal of Engineering in Medicine* 2013; 227: 928-932.
27. Chung CJ, Huang YL, **Huang YK**, Wu MM, Chen SY, Hsueh YM, Chen CJ. Urinary arsenic profiles and the risks of cancer mortality: A population-based 20-year follow-up study in arseniasis-endemic areas in Taiwan. *Environmental Research* 2013; 122: 25-30.
28. Huang WC, Teng NC, Lin CT, **Huang YK**. A bibliometric analysis of global research production and economic in caries during 1991-2010. *Journal of Family Dentistry* 2012; 7: 4-10.
29. **Huang YK**, Lin CW, Chang CC, Chen PF, Wang CJ, Hsueh YM, Chiang HC. Heat acclimation decreased oxidative DNA damage resulting from exposure to high heat in an occupational setting. *European Journal of Applied Physiology* 2012; 112: 4119-4126.
30. Su CT, Lin HC, Choy CS, **Huang YK**, Huang SR, Hsueh YM. The relationship between obesity, insulin and arsenic methylation capability in Taiwan adolescents. *Science of The Total Environment* 2012; 414: 152-158.
31. Chiang HC, **Huang YK**, Chen PF, Chang CC, Wang CJ, Lin P, Lee HL. 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone is correlated with 8-hydroxy-2'-deoxyguanosine in humans after exposure to environmental tobacco smoke. *Science of The Total Environment* 2012; 414: 134-139.

## 研究計劃

序號	計畫名稱及編號	補助單位	執行期限	核定經費	工作性質 (主持人或共同主持人)
1	學「教」專業敘事、教「學」場域利他 - 長者創健跨域整合賦能課群 (MOE-106-2-2-001)	教育部	106/08/01~108/01/31	1,666,000	主持人
2	含錳超氧歧化酵素與介白質素-8基因型與表觀基因與牙周疾病治療成效 (MOST106-2314-B038-018)	科技部	106/08/01~107/07/31	1,195,000	主持人

序號	計畫名稱及編號	補助單位	執行期限	核定經費	工作性質 (主持人或共同主持人)
3	口腔機能運動教學方法與咀嚼促進相關研究 (MOST106-2813-C-038-048-U)	科技部	106/07/01~ 107/02/28	48,000	大專生計畫指導教授
4	106 年度「我國六歲以下兒童口腔健康調查工作計畫」 (M06B4002)	衛生福利部	106/01~106/12	2,830,000	協同主持人
5	106 年度學童口腔保健計畫	教育部國教署	106/10/01 ~ 107/07/31	2,350,000	協同主持人
6	以發炎與氧化壓力之基因甲基化與單一核苷酸多形性探討牙周疾病活性與治療成效之相關性研究 (MOST105-2314-B038-045)	科技部	105/08/01~106/07/31	999,000	主持人
7	北投區銀髮族口腔保健介入活動成效分析	臺北市北投區健康服務中心	105/10/25~ 105/11/20	30,000	主持人
8	教育部專業知能融入敘事力之新創群組課程計畫-跨代學習之賦能課群-長者與「學」者之對話	教育部	105/08~106/07	1,063,700	協同主持人
9	105 年度學童口腔保健計畫	教育部國教署	105/08/31 ~ 106/08/30	2,500,000	協同主持人
10	唾液抗氧化生物標記檢測	台南市政府衛生局	104/10/01~105/12/31	60,000	主持人
11	牙體技術師考試對牙體技術系學生其學習方向及輔導策略之相關研究 (MOST104-2511-S038-004)	科技部	104/08/01~105/07/31	554,000	共同主持人
12	教育部專業知能融入敘事力之新創群組課程計畫-族群健康促進之多元敘事力賦能課群	教育部	104/08/01~105/07/31	672,100	協同主持人
13	104 年度學童口腔保健計畫	教育部國教署	104/04/02 ~ 105/04/01	2,500,000	協同主持人
14	教育部 103 學年第 1 學期現代公民核心能力課程計畫-族群口腔健康 (MOE-103-1-2-053)	教育部	103/08/01~104/01/31	190,800	主持人
15	唾液檳榔菸鹼濃度、發炎與抗氧化狀態與口腔衛生與牙周病之相關研究 (NSC 102-2314-B-038-019)	國科會	102/08/01~103/07/31	745,000	主持人

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序號	計畫名稱及編號	補助單位	執行期限	核定經費	工作性質 (主持人或共同主持人)
16	口腔衛生與唾液生物標記對於牙齒 齲復成效之探討 (NSC 100-2314-B-038-042)	國科會	100/10/01~101/07/31	500,000	主持人

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