

單位：農學院獸醫學系

教師姓名：黃漢翔 Han Hsiang Huang

現職：副教授

澳洲雪梨大學（The University of Sydney）哲學博士

國立中興大學獸醫學研究所獸醫學碩士

國立中興大學獸醫系獸醫學學士

E-mail：hhuang@mail.ncyu.edu.tw

簡要經歷：

美和科技大學助理教授

彰化縣動物防疫所技士

彰化縣動物防疫所技佐

公務人員高等考試-公職獸醫師考試及格

特種考試台灣省及福建省基層公務人員考試-公職獸醫師考試及格

專門技術人員高等考試-公職獸醫師考試及格

獸醫師檢覈考及格

中華民國生醫材料與藥物制放學會（BCRS Taiwan）會員

103年度科技部獎勵特殊優秀人才

105年度科技部獎勵特殊優秀人才



研究興趣：生理學、藥理學、醫學工程、人畜共通傳染病、犬復健醫學

主要教授課程：獸醫藥理學、獸醫化學療法、人畜共通傳染病特論、小動物物理治療學

教師著作：SCI 期刊文章（更新至2018年3月）

1. Wu Y.J., Wu Y.C., Chen I.F., Wu Y.L., Chuang C.W., **Huang H.H.***, Kuo S.M.* 2018. Reparative effects of astaxanthin-hyaluronan nanoaggregates against retrorsine-CCl4-induced liver fibrosis and necrosis. *Molecules*. 23(4): 726. (SCI) (**Equal corresponding author**) (CHEMISTRY ORGANIC)
2. Wu G.X., **Huang H.H.**, Chang H.R. and Kuo S.M. 2018. Evaluation of the UVB-screening capacity and restorative effects exerted by farnesol gel on UVB-caused sunburn. *Environmental Toxicology*. 33(4): 488-507. (SCI) (Second author) (WATER RESOURCES)
3. Teong B., Kuo S.M., Tsai W.H., Ho M.L., Chen C.H.* , **Huang H.H.*** 2017. Liposomal encapsulation for systemic delivery of propranolol via transdermal iontophoresis improves bone microarchitecture in ovariectomized rats. *International Journal of Molecular Sciences*. 18(4): 822. (SCI) (**Equal corresponding author**) (CHEMISTRY, MULTIDISCIPLINARY) (Project: MOST-104-2221-E-415-028)
4. Chang S.H., **Huang H.H.**, Kang P.L., Wu Y.C., Chang M.H., Kuo S.M. 2017. In vitro and in vivo study of the application of volvox spheres to co-culture vehicles in liver tissue engineering. *Acta Biomaterialia*. 63: 261-273. (SCI) (Second author) (MATERIALS SCIENCE, BIOMATERIALS)
5. Chu C.C. †, **Huang H.H. †**, Chiang S.H., Chou C.C., Lai J.M., Shih W.L., Changchien C.H., Lin H.C., Chuang S.T., Su Y.C. 2017. Investigation on antimicrobial resistance, enterotoxin and cassette chromosome Gene of *Staphylococcus aureus* isolates from humans, cow and goats in Taiwan. *Thai J Vet Med*. 47(4): 481-492. (SCI) (**co-first author**) (VETERINARY SCIENCES)
6. **Huang H.H.***, Kuo S.M., Wu Y.J., Su J.H. 2016. Improvement and enhancement of anti-bladder carcinoma cell effects of heteronemin by the nano-sized hyaluronan aggregation. *International Journal of Nanomedicine*. 11: 1237-1251. (SCI) (**First author and corresponding author**). (PHARMACOLOGY & PHARMACY) (Project: MOST 103-2320-B-415 -004-)
7. Hsiao K.Y., Wu Y.J., Liu N.Z., Chuang C.W., **Huang H.H.***, Kuo S.M.* 2016. Anticancer effects of sinulariolide-conjugated hyaluronan nanoparticles on lung adenocarcinoma cells. *Molecules*. 21(3): 297. (SCI) (**Equal corresponding author**) (CHEMISTRY ORGANIC)
8. Ma C.T., Wu Y.J., **Huang H.H.**, Kang P.L., Hsiao K.Y., Lo D.Y. and Kuo S.M.. 2016. In vitro and in vivo evaluation of the effect of nano-sized collagen molecules and nicotinamide on mesenchymal stem cell differentiation. *Journal of Materials Chemistry B*. 2016. 4(22): 3892-3902. (SCI) (Third author) (MATERIALS SCIENCE, BIOMATERIALS)

9. Feng T.H., Chou C.C., **Huang H.H.***, Liao M.H.* et al. 2015. Molecular prevalence of zoonotic pathogens in pet and stray dogs in southern Taiwan. *Thai J Vet Med.* 45(4): 509-522. (SCI) (**Equal corresponding author**) (VETERINARY SCIENCES)
10. Yang H.L., **Huang H.H.***, Liao M.H.* et al. 2015. Clinical Characteristics, Antibiotic Resistance and Molecular Typing of Methicillin-Resistant *Staphylococcus aureus* in a Teaching Hospital at South Taiwan. *British Microbiology Research Journal.* 8: 513-524. (**Equal Corresponding author**).
11. Liao M.H., Liu S.S., Peng I.C., Tsai F.J., **Huang H.H.*** 2014. The stimulatory effects of alpha1-adrenergic receptors on TGF-beta1, IGF-1 and hyaluronan production in human skin fibroblasts. *Cell Tissue Res.* 357(3): 681-693. (SCI) (**Corresponding author**) (CELL BIOLOGY) (Project: NSC 101-2320-B-276-001- and NSC 100-2320-B-276-001-)
12. Teong B., Kuo S.M., Chen C.H., Chen Y.K., Cheng Z.J., **Huang H.H.***. 2014. Characterization and human osteoblastic proliferation- and differentiation-stimulatory effects of phosphatidylcholine liposomes-encapsulated propranolol hydrochloride. *Biomed Mater Eng.* 24(5): 1575-1587. (SCI) (**Corresponding author**) (ENGINEERING BIOMEDICAL) (Project: NSC 102-2221-E-276-002-)
13. Lu C.M., Lin J.J., **Huang H.H.**, Ko Y.C., Hsu J.L., Chen J.C., Din Z.H., Y.J. Wu. 2014. A panel of tumor markers, calreticulin, annexin A2, and annexin A3 in upper tract urothelial carcinoma identified by proteomic and immunological analysis. *BMC Cancer.* 14: 363. (SCI) (Third author) (ONCOLOGY)
14. Chou C.H., Yeh T.M., Lu Y.P., Shih W.L., Chang C.D., Chien C.H., Liu S.S., Wu H.Y., Tsai F.J., **Huang H. H.*** and Liao M.H.* 2014. Prevalence of zoonotic pathogens by molecular detection in stray dogs in central Taiwan. *Thai J Vet Med.* 44(3): 363-375. (SCI) (**Equal corresponding author**) (VETERINARY SCIENCES)
15. Cheng K.C., **Huang H.H.**, Chen C.C., Hung C.T., Suen J.L., Chen K.J., Wu Y.J., Chang C.H. 2013. Proteomic analysis of the differences in orbital protein expression in thyroid orbitopathy. *Graefes Arch Clin Exp Ophthalmol.* 251(12): 2777-2787. (SCI) (Second author) (OPHTHALMOLOGY)
16. Ho K.Y., Yeh T.S†., **Huang H. H.** †, Hung K. F. †, Chai C.Y., Chen W.T., Tsai S.M., Chien C.Y., Wang H.M., Wu Y.J. 2013. Upregulation of phosphorylated HSP27, PRDX2, GRP75, GRP78 and GRP94 in acquired middle ear cholesteatoma growth. *Int. J Mol Sci.* 14(7), 14439-14459. (SCI) (Equal second author) (CHEMISTRY MULTIDISCIPLINARY)
17. Su T.R., Lin J.J., Chiu C.C., Cheng Z.J., Chen JYF, Su. J.H., Cheng Z.J., Hwang W.I., **Huang H.H.*** Wu Y.J.* 2012. Proteomic investigation of anti-tumor activities exerted by sinularin against A2058 melanoma cells. *Electrophoresis.* 33(7): 1139-1152. (SCI) (**Equal corresponding author**) (CHEMISTRY ANALYTICAL)
18. Ho K.Y., **Huang H. H.**, Hung K. F., Chen J.C., Chai C.Y., Chen W.T., Tsai S.M., Chien C.Y., Wang H.M., Wu Y.J. 2012. Cholesteatoma growth and proliferation: relevance with Serpin B3. *Laryngoscope.* 122(12):2818-23. (SCI) (Second author) (OTORHINOLARYNGOLOGY)
19. Su C.C., Lin J.J., Chen J.J., Su J.H., Chen C.C., **Huang H.H.*** Wu Y.J.* 2011. An investigation

into the cytotoxic effects of 13-acetoxysarcocrassolide from the soft coral *Sarcophyton crassocaule* on bladder cancer cells. *Marine Drugs*. 9(12): 2622-2642. (SCI) (**Equal corresponding author**) (CHEMISTRY MEDICINAL)

20. Chuang M.S., **Huang H.H.**,* Dixon K.M., Chen K.S., Mao C.L., Chen C.L. 2010. Detection of urine and blood clenbuterol following short-term oral administration in the horse. *Immunopharmacol Immunotoxicol* 32(1): 171-176. (SCI) (**Corresponding author**) (PHARMACOLOGY & PHARMACY)
21. Hung M.J., **Huang H.H.**,* Chen C.L., Wu Y.J., Dixon K.M., Mao. C.L. 2010. Salbutamol residues in swine tissues and body fluids after feeding. *Thai J Vet Med* 40(4): 399-404. (SCI) (**Corresponding author**) (VETERINARY SCIENCES)
22. **Huang H.H.**, Brennan T.C., Muir M.M., Mason R.S. 2009. Functional alpha1- and beta2-adrenergic receptors in human osteoblasts. *J Cell Physiol* 220(1): 267-275. (SCI) (**First author**) (PHYSIOLOGY)

研究計畫

計畫名稱	計畫內擔任工作	起迄年月	補助或委託機構
Eli Lilly Endocrinology Research Grant Programme, Endo #304 (Australia)	唯一計畫執行者與成果發表者	2004/7/16 ~ 2009/1/31	Eli Lilly Endocrinology Research Grant (Australia)
到手香萃取物之抗菌活性試驗	計畫主持人	2010/1/1 ~ 2010/12/31	教育部
人皮膚纖維母細胞之 alpha1-與 beta2-腎上腺素性接受器與其對轉形生長因子 beta 與類胰島素生長因子 I 之調控作用研究	計畫主持人	2011/8/1 ~ 2012/7/31	行政院國家科學委員會
研究珊瑚萃取物 sinulariolide 藉由粒線體之失調對皮膚癌細胞產生毒殺作用之影響	共同主持人	2012/3/1 ~ 2013/2/28	屏東安泰醫院

以蛋白質體研究方法進行13-acetoxysarcocrassolide 對口腔癌細胞經由內質網壓力所造成之細胞凋亡機制	共同主持人	2012/3/1 ~ 2013/2/28	屏東安泰醫院
人皮膚纖維母細胞之 alpha1-與 beta2-腎上腺素性接受器與其對轉形生長因子 beta 與類胰島素生長因子 I 之調控作用研究-2	計畫主持人	2012/8/1 ~ 2013/7/31	行政院國家科學委員會
以動物模式探討檳榔與綠茶在食道鱗狀上皮細胞癌上所扮演的角色(第二部分)：使用全基因表現矩陣技術探討綠茶與檳榔驗對食道腫瘤的影響機制	共同主持人	2012/8/1 ~ 2013/7/31	行政院國家科學委員會
微脂粒化 propranolol 合併應用離子導入法之抗骨質疏鬆作用研究	計畫主持人	2013/8/1 ~ 2014/7/31	行政院國家科學委員會
牛樟芝內涵活性成分結構解析	共同主持人	2013/11/ ~ 2014/7/31	大益生技公司
透明質酸奈米微粒包覆野外型海綿 Hippospongia sp. 萃取物 heteronemin 之抗膀胱癌作用研究	計畫主持人	2014/8/1 ~ 2015/7/31	科技部
以大鼠動物模式研究與評估微脂粒化 propranolol 合併應用離子導入法之抗骨質疏鬆作用	計畫主持人	2015/8/1 ~ 2016/7/31	科技部
犬可攜式血糖儀之臨床測定評估研究	計畫主持人	2015/9/16 ~ 2016/4/30	聿新生物科技股份有限公司

微脂粒化 rapamycin 併用低強度脈衝超音波之骨關節炎治療研究	計畫主持人	2017/08/01 ~ 2018/07/31	科技部
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