

黃錦偉教授



職稱: 教授

中藥機制與質量全國重點實驗室助理主任
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簡介:

黃錦偉教授於 2006 年在香港大學取得化學博士學位，在香港浸會大學中醫藥學院先後擔任博士後研究員及研究助理教授，致力於抗炎及抗癌研究。2011 年 9 月加入澳門科技大學中藥機制與質量全國重點實驗室助理教授，並擔任組學技術與創新藥物研究中心副主任一職，2015 年破格升為副教授，2022 年晉升為正教授。現擔任澳門科技大學中藥機制與質量全國重點實驗室助理主任及埃爾文內爾博士生物物理與創新藥物實驗室執行主任；同時亦擔任澳門高等教育發展促進會學術部副部長一職。

黃教授的研究範疇主要在炎症及腫瘤分子生物學，以及化學分子生物學與結構活性關係等。黃教授近年更專注於研究抗癌基因 p53, 14-3-3 及 P-糖蛋白導致關節炎耐藥等問題，同時亦專注研發關節炎成纖維滑膜細胞的抗原特異性，及與葡萄牙頂尖科研機構 GIMM 合作利用 CAR-Treg 療法解決關節炎難治性問題。最近更成功破解中老年類風關高發率之謎，並將研究成果發表在 *Nature Communications*。黃教授擔任 *Frontiers in Pharmacology* 及 *Phytomedicine* 的副編輯；近十年間共獲資助項目總金額超過二千八百萬元澳門幣；並分別於多個國際期刊上發表超過 220 篇 SCI 研究文章。黃博士亦是 40 個國際專利擁有者之一。在 2013-2025 年間，分別榮獲澳門中銀學術研究優秀獎、教育部科學研究優秀成果獎(自然科學獎一等獎(團體獎)、並先後獲得澳門特別行政區科學技術獎自然科學獎二等獎及一等獎(團體獎)。同時亦是 2025 年全球前 2% 年度及終身榜單頂尖科學家(STANFORD UNIVERSITY)。

教研領域

教學科目: 生物化學、現代生物科技、中藥藥理實驗方法學、藥理實驗方法學、
分子及生物學、臨床藥理學、藥理學實驗、生物化學及分子生物學、
生物化學及分子生物學實驗、中醫學 / 生物醫學專題項目之醫學實驗
方法

研究方向: 炎症及癌症、分子生物學、化學生物學

學歷

2006. 9 香港大學化學博士學位

2002. 8 香港科技大學生物學碩士學位

1999. 6 香港科技大學生物化學學士學位

教學經驗

2022.7 - 今 澳門科技大學中藥機制與質量全國重點實驗室教授

2015.7 - 2022.6 澳門科技大學中藥機制與質量全國重點實驗室副教授

2011.9 - 2015.6 澳門科技大學中藥機制與質量全國重點實驗室助理教授

2009.10 - 2011.8 香港浸會大學中醫藥學院研究助理教授

2006.12 - 2009.10 香港浸會大學中醫藥學院博士後研究員

學術成果(近 5 年)

1. Hui Miao Wang, Hong Juan Lai, Lin Lin Song, Meng Han Liu, Rui Long Zhang, Hang Hong Lo, **Vincent Kam Wai Wong***, Betty Yuen Kwan Law*. A Furanochromone Derivative, Visnagin 1 stimulates melanogenesis via the activation of cAMP/PKA/CREB Pathway. *Eur J Pharmacol.* 2026 Feb 28;1019:178675.
2. Yao Liu*, **Vincent Kam Wai Wong***, Jiao Liu, Manling Jiang, Chenxu Yang, Xiang He, Junyi Wang, Lei Zhang, Anying Xiong, Qin Ran, Xiaolan Li, Keyue Wang, Mufan Li, Peng Song, LIANG JIN and Guoping Li. Licoisoflavone B Alleviates Psoriasis via SCD1-Targeted Lipid Metabolism Reprogramming and Suppression of Th17/IL-17-Mediated Inflammation. *Front. Pharmacol.* 17:1754729.

3. Lijiao Cui, Caiyuan Yu, Shicai Ye, Yuee Yang, Zhiwei Gu, **Vincent Kam Wai Wong***, Yu Zhou*. Role of UGP2 as Biomarkers in Colorectal Cancer: Implications for Tumor Progression, Diagnosis, and Prognosis. *Curr. Issues Mol. Biol.* 2025, 47(12), 1043.
4. Mufan Li[#], Jie Liang[#], Xia Jiang, Meiling Zheng, Yao Liu, Hua Jiang, Hanan Long, **Vincent Kam Wai Wong***, Junjiang Fu*. UBR5, a Potential Diagnostic and Prognostic Biomarker Induces Osteosarcoma Progression. *Pathology - Research and Practice.* 2026 Jan 12:279:156361.
5. Ning Ma, Yulin Xu, Dingqi Zhang, Huan-Tian Zhang, Weidan Luo, Yang Cao, **Vincent Kam Wai Wong***. Targeting age-related cell-free DNA for prevention, early diagnosis and treatment of rheumatoid arthritis. *Autoimmun Rev.* 2025 Nov 28:103961.
6. Ling Zhong, Xiaoqing Lin, Xinyu Cheng, Shuangyan Wan, Yaoguang Hua, Weiwei Nan, Bin Hu, Xiangjun Peng, Zihan Zhou, Qiansen Zhang, Huaiyu Yang, Frank Noé, Zhenzhen Yan, Dexiang Jiang, Hangyu Zhang, Fengjiao Liu, Chenxin Xiao, Zhuo Zhou, Yimin Mou, Haijie Yu, Lijuan Ma, Chen Huang, **Vincent Kam Wai Wong**, Sookja Kim Chung, Bing Shen, Zhi-Hong Jiang, Erwin Neher, Wandi Zhu, Jin Zhang, Panpan Hou*. Secondary structure transitions and dual PIP2 binding define cardiac KCNQ1-KCNE1 channel gating. *Cell Research.* 2025 Nov;35(11):887-899.
7. Xiaohe Wang, Fangji Luo, Guiqiang Miao, Boyuan Zheng, Chenhao Xu, **Vincent Kam Wai Wong**, Yuanshu Peng, Rong Zeng, Jinzhu Pang, Xuguang Zhang, Zhenyu Ju, Zhengang Zha, Xiaogang Wang, Xiaofei Zheng, Huan-Tian Zhang. Loss of Brd4 alleviates pathological bone loss via Slc9b2 suppression in osteoclastogenesis. *Clin Transl Med.* 2025 Oct;15(10):e70496.
8. Yiru Pan, Jing Wei, Dalian Qin, Xiaogang Zhou, Fei Gao, Lu Yu, Chi Feng, Jianing Mi, Jianming Wu, Betty Yuen Kwan Law, **Vincent Kam Wai Wong**, Hudan Pan, Bin Liao*, Xuecong Ren*, Fang Ren*, Anguo Wu*. Prosapogenin CP4 exacerbates mitophagy to induce apoptosis via AMPK-mTOR and PINK1/Parkin pathways in A549 cells. *Phytomedicine.* 2025 Sep 28:148:157333.
9. Wanyu Wu, Yuping Wang, Bo Qin, Xiongfei Xu, Nick Wang, Wuyan Zheng, Xiaoyun Yun, Betty Yuen-Kwan Law, Chang Chen*, **Vincent Kam-Wai Wong***. Far-infrared irradiation ameliorates neurological damage in cerebral ischemic rats by restoring dynamic mitochondrial function. *Neural Regeneration Research.* ():10.4103/NRR.NRR-D-25-00399.
10. Lu Xu, Xinjie Zhang, Yuxin Feng, **Vincent Kam Wai Wong***, Wang Yao*, Ying Feng*. Metabolic Syndrome Worsens Sarcopenia and Reduces Nutritional Therapy

Benefits in Advanced Gastric Cancer. *Frontiers in Nutrition*. 12:1615376. doi: 10.3389/fnut.2025.1615376

11. Lu Xu, Fangyue Xu and **Vincent Kam Wai Wong***. Ruxolitinib Alleviates DSS-Induced Acute Ulcerative Colitis by Inhibiting STAT1 Phosphorylation and Reducing MDSC Infiltration. *Front. Pharmacol.* 2025 Aug 29;16:1572534.
12. Lu Xu, Xinjie Zhang, Yao Wang*, **Vincent Kam Wai Wong***. Clinical Characteristics and Immunotherapy Efficacy in Advanced Lung Cancer Patients with Immune Checkpoint Inhibitor-Related Adrenal Insufficiency. *Medicine*. 2025 Aug 22;104(34):e43983.
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15. Minsong Guo, Zhengqin Wang, Xiaogang Zhou, Chonglin Yu, Jianming Wu, Lu Yu, Jianing Mi, Fang Ren, Betty Yuen Kwan Law, Hudan Pan, **Vincent Kam Wai Wong***, Dalian Qin*, Anguo Wu*. Ciliatoside A attenuates neuroinflammation in Alzheimer's disease by activating mitophagy and inhibiting NLRP3 inflammasome activation. *Phytomedicine*. 145 (2025) 156928.
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41. Hui Miao Wang, Hong Juan Lai, An Guo Wu, Yong Tang, Lin Lin Song, Hang Hong Lo, Io Nam Wong, **Vincent Kam Wai Wong** & Betty Yuen-Kwan Law*. Melanogenic effects of 5-demethylnobiletin on mouse model of chemical-induced vitiligo. *Journal of Functional Foods.* Volume 112, January 2024, 105962
42. Ruihong Chen, Hang Hong Lo, Chenxu Yang, Betty Yuen Kwan Law, Xi Chen, Calista Chi In Lam, Charles Ho, Hio Lam Cheong, Qianzi Li, Chenyu Zhong, Jerome Pak Lam Ng, Cheung Kam Fai Peter and **Vincent Kam Wai Wong***. Natural small-molecules reverse Xeroderma Pigmentosum Complementation Group C (XPC) deficient-mediated drug-resistance in renal cell carcinoma. *Phytomedicine.* 2024 Feb;124:155310.
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- Vincent Kam Wai Wong#. Peroxide derivative as SARS-CoV2 entry inhibitors. *Viral Research*, 2023 Dec 12:340:199295.
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48. Jerome P. L. Ng§, Yun Xiao Yun§, Ali Adnan Nasim, Alessandra Gianoncelli, Betty Yuan Kwan Law, Giovanni Ribaudo*, Vincent Kam Wai Wong* and Paolo Coghi*. Synthesis, docking studies and biological evaluation of 1H-1,2,3-triazole-7-chloroquinoline derivatives against SARS-CoV-2. *Bioorganic Chemistry*. 2023 Dec:141:106882.
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50. Xingxia Wang[†], Wei Hu[†], Liquan Qu[†], Jian Wang, Anguo Wu, Hang Hong Lo, Jerome P. L. Ng, Yong Tang, Xiaoyun Yun, Jianhui Wu, Vincent Kam Wai Wong, Sookja Kim Chung, Linna Wang, Weidan Luo, Xiang Ji, Betty Yuen Kwan Law*. Tricin promoted ATG-7 dependent autophagic degradation of α -synuclein and dopamine release for improving cognitive and motor deficits in Parkinson's disease. *Pharmacological Research* 2023 Oct;196:106874.
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8. Zhongzhu Awards for Life Science Recognizing First Prize in Service 中珠醫療生命科學科研 二等獎 2018
9. 澳門科技大學防疫抗疫應急優秀團隊個人評選及表彰獎勵計劃 (2020)
雲課堂教學傑出獎 (Outstanding Performance Award in Online Teaching)

10. 科學中國人雜誌訪問(2021 年 6 月): 找准人生“靶点” 实现科研梦想

11. 2025 年度中銀學術研究優秀獎

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獲獎者：黃錦偉（第 4 完成人）

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