

## 黄锦伟教授



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### 简介:

黄锦伟教授于 2006 年在香港大学取得化学博士学位, 在香港浸会大学中医药学院先后担任博士后研究员及研究助理教授, 致力于抗炎及抗癌研究。2011 年 9 月加入澳门科技大学中药机制与质量全国重点实验室助理教授, 并担任组学技术与创新药物研究中心副主任一职。2015 年破格升为副教授, 2022 年晋升为正教授。现担任澳门科技大学中药机制与质量全国重点实验室助理主任及埃尔文内尔博士生物物理与创新药物实验室执行主任; 同时亦担任澳门高等教育发展促进会学术部副部长一职。

黄教授的研究范畴主要在炎症及肿瘤分子生物学, 以及化学分子生物学与结构活性关系等。黄教授专长于研究细胞自噬与抗癌抗脑神经退化及对抗耐药耐凋亡等问题, 如天然小分子 SERCA 离子通道抑制剂及 AMPK 激活剂的抗耐药耐凋亡作用; 黄教授近年更专注于研究抗癌基因 p53, 14-3-3 及 P-糖蛋白导致关节炎耐药等问题, 最近更成功破解中老年类风关高发率之谜, 并将研究成果发表在 *Nature Communications*。

黄教授担任 *Frontiers in Pharmacology* 的副编辑及 *Phytomedicine* 的编委; 近十年间共获资助项目总金额超过二千八百万元澳门币; 并分别于多个国际期刊上发表超过 220 篇 SCI 研究文章。黄博士亦是 40 个国际专利拥有者之一。在 2013-

2025 年间，分别荣获澳门中银学术研究优秀奖、教育部科学研究优秀成果奖(自然科学奖一等奖(团体奖)、并先后获得澳门特别行政区科学技术奖自然科学奖二等奖及一等奖(团体奖)。同时亦是 2025 年全球前 2%年度及终身榜单顶尖科学家(STANFORD UNIVERSITY)。

## 教研领域

教学科目：生物化学、现代生物科技、中药药理实验方法学、药理实验方法学、分子及生物学、临床药理学、药理学实验、生物化学及分子生物学、生物化学及分子生物学实验、中医学 / 生物医学专题项目之医学实验方法

**研究方向：**炎症及癌症、分子生物学、化学生物学

## 学历

2006.9 香港大学化学博士学位

2002.8 香港科技大学生物学硕士学位

1999.6 香港科技大学生物化学学士学位

## 教学经验

2022.7 – 今 澳门科技大学中药机制与质量全国重点实验室教授

2015.7 – 2022.6 澳门科技大学中药机制与质量全国重点实验室副教授

2011.9 – 2015.6 澳门科技大学中药机制与质量全国重点实验室助理教授

2009.10 – 2011.8 香港浸会大学中医药学院研究助理教授

2006.12 – 2009.10 香港浸会大学中医药学院博士后研究员

## 学术成果(近 5 年)

1. 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.
2. 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.
3. 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.
4. 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.* Accepted.
5. 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
6. 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.
7. 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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9. Xiaoyun Yun, Jianhui Wu, Jie Zhou, Linlin Song, Yongpei Tang, Hanghong Lo, Jerome P.L. Ng, Menghan Liu, Zhikang Wang, Liqun Qu, Huimiao Wang, Ruilong Zhang, Cairen Wang, Linna Wang, Jiujie Yang, Sookja Kim Chung\*, **Vincent Kam Wai Wong\***, Betty Yuen Kwan Law\*. Anxiolytic effects of corilagin by targeting Htr2c through activation of the TrkB/CREB/BDNF pathway. *Phytomedicine.* 145 (2025) 157029.
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- 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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  13. Paolo Coghi§, Ivan A. Yaremenko§, Parichat Prommana, Ali Adnan Nasim, Yulia Yu. Belyakova, Ruihong Chen, Peter S. Radulov, Chairat Uthaipibull\*, Alexander O. Terent'ev\* and **Vincent Kam Wai Wong\***. N-substituted Bridged Azaozonides as Promising Antimalarial Agents. *ChemMedChem*. 2025, e202500181.
  14. 蒋蔓灵, 张 雷, 刘 瑶, 李国平, **黄锦伟\***. 基于网络药理学与分子对接探讨虫草素治疗哮喘的作用机制. *中国药理学通报*. (Accepted)
  15. Ling Wang, Lingtan Kong, Ding-qi Zhang, Liuqi Ye, Sang-cuo Nao, Daniel Chan, Xueying Li, Yutong Peng, Lijun Yang, Chun-Yuen Wong, **Vincent Kam Wai Wong\***, Wanhe Wang\*, Hui Chao\*, Chung-Hang Leung\*. Inhibiting glycolysis and disrupting the mitochondrial HK2-VDAC1 protein-protein interaction using a bifunctional lonidamine-conjugated metal probe for combating triple-negative breast cancer. *Journal of the American Chemical Society*. <https://doi.org/10.1021/jacs.5c04233>
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40. Lu Yu, Huimiao Wang, Qianfang Yao, Keru Li, Liqun Qu, Bin Tang, Wu Zeng, Gan Qiao, Yong Tang, Guishan Hu, Guangqiang Hu, **Vincent Kam-Wai Wong**, Qiong Wang, Dalian Qin, Jianming Wu, Xiaogang Zhou, Xiaolei Sun, Betty Yuen-Kwan Law\*, Anguo Wu\*. Thonningianin A from *Penthorum chinense* Pursh as a targeted inhibitor of Alzheimer's disease-related  $\beta$ -amyloid and Tau proteins. *Phytotherapy Research* Accepted
41. Jialing Shen, Cheng Zhang, Yong Liu, Qianqian Wang, Pengyun Li, Runyu Liu, **Vincent Kam Wai Wong**, Chunxiang Zhang, xiaolei Sun. L-type calcium ion channel-mediated activation of autophagy in vascular smooth muscle cells via thonningianin A (TA) alleviates vascular calcification in type 2 diabetes mellitus. *European Journal of Pharmacology*. 2023 Nov 15:959:176084.
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43. Jerome P. L. Ng§, Yun Xiao Yun§, Ali Adnan Nasim, Alessandra Gianoncelli, Betty Yuan Kwan Law, Giovanni Ribaud\*, **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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  49. Feng-Dan Zhu<sup>†</sup>, Xue Chen<sup>†</sup>, Lu Yu<sup>†</sup>, Meng-Ling Hu, Yi-Ru Pan, Da-Lian Qin, Jian-Ming Wu, Ling Li, Betty Yuen-Kwan Law, **Vincent Kam-Wai Wong**, Xiao-Gang Zhou\*, An-Guo Wu\*, Dong-Sheng Fan\*. Targeting autophagy to discover the Piper wallichii petroleum ether fraction exhibiting antiaging and anti-Alzheimer's disease effects in *Caenorhabditis elegans*. *Phytomedicine*. 2023 Aug;117:154916.
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  52. Yuan-Qing Qu<sup>a,b\*</sup>, Lin-Lin Song<sup>a\*</sup>, Su-Wei Xu<sup>a,c</sup>, Margaret Sum Yee Yu<sup>a</sup>, Onat Kadioglu<sup>d</sup>, Francesco Michelangeli<sup>e</sup>, Betty Yuen Kwan Law<sup>a</sup>, Thomas Efferth<sup>d</sup>, Christopher Wai-Kei Lam<sup>b#</sup>, **Vincent Kam Wai Wong<sup>a#</sup>**. Pomiferin targets SERCA, mTOR, and P-gp to induce autophagic cell death in apoptosis-resistant cancer cells, and reverses the MDR phenotype in cisplatin-resistant tumors *in vivo*. *Pharmacological Research*. 2023 May;191:106769.
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100. Rui Hong Chen<sup>1\*</sup>, Li Jun Yang<sup>1\*</sup>, Sami Hamdoun<sup>1</sup> , 4, Sookja Kim Chung<sup>2</sup>, Christopher Wai-kei Lam<sup>2</sup>, Kai Xi Zhang<sup>1</sup>, Xiaoling Guo<sup>3</sup>, Chenglai Xia<sup>3</sup>, Betty Yuen Kwan Law<sup>1#</sup> and **Vincent Kam Wai Wong<sup>1#</sup>**. 1,2,3,4,6-Pentagalloyl glucose, a RBD-ACE2 binding inhibitor to prevent SARS-CoV-2 infection. *Front. Pharmacol* 12:634176. doi: 10.3389/fphar.2021.634176.

## 学术书籍

1. Betty Yuen-Kwan Law and **Vincent Kam-Wai Wong\***.  
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DOI: 10.5772/64274
2. Simon Wing Fai Mok, Betty Yuen Kwan Law, **Vincent Kam Wai Wong** and Liang Liu\*  
Immunotherapeutic approaches of rheumatoid arthritis and the implication on novel interventions for refractoriness, Immunotherapy, Dr. Seyyed Shamsadin Athari (Ed.),  
InTech, ISBN 978-953-51-6100-4. Accepted on 16-2-2018.
3. Yu Zhong Peng, Li Jun Yang, Hang Hong Lo, Betty Yuen Kwan Law, **Vincent Kam Wai Wong\***.  
Chapter 7: Tumor Therapeutic Modes  
ebook “New Nanomaterials and Techniques for Tumor-targeted Systems”.

Editors: Huang, Rongqin, Wang, Yi (Eds.).  
Publisher: Springer Singapore; ISBN: 978-981-15-5158-1.

4. Jiu Jie Yang, Jerome P. L. Ng, Kaixi Zhang, Liang Liu\*, **Vincent Kam Wai Wong\***.  
Pathogenic role of microRNA in rheumatoid arthritis. *Book Chapter* in  
"*Rheumatoid Arthritis*" edited by Prof. Hechmi Toumi (IntechOpen).  
DOI: 10.5772/intechopen.99212  
Accepted on 2-7-2021

## 学术奖项

1. 2013 年度中银学术研究优秀奖
2. 2014 年度澳门特别行政区科学技术奖自然科学奖二等奖（团体奖）  
  
获奖项目：中药“三多”特征的创新研究方法及其理论基础  
  
获奖者：刘良，姜志宏，王静蓉，梁丽娴，黄锦伟
3. 2015 年度高等学校科学研究优秀成果奖自然科学奖一等奖（团体奖）  
  
获奖项目：中医药整体治疗的网络调节机理研究  
  
获奖者：黄锦伟（第 2 完成人）  
  
奖励等级：自然科学奖一等奖  
  
奖励日期：2015 年 2 月  
  
证书号：2014-042
4. 2016 年度澳门特别行政区科学技术奖自然科学奖一等奖（团体奖）  
  
获奖项目：类风湿关节炎的发病新机制和治疗新途径  
  
获奖者：刘良，周华，李婷，王俊，黄锦伟
5. 2016 中珠医疗生命科学科研一等奖
6. 2017 中珠医疗生命科学科研一等奖
7. 2018 高等学校科学研究优秀成果奖自然科学奖一等奖（团体奖）

获奖项目：抑制细胞增殖与分化异常的新机制研究

获奖者：黄锦伟（第 12 完成人）

奖励等级：自然科学奖一等奖

奖励日期：2019 年 1 月

证书号：2018-056

8. Zhongzhu Awards for Life Science Recognizing First Prize in Service 中珠医疗生命科学研究 二等奖 2018

9. 澳门科技大学防疫抗疫应急优秀团队个人评选及表彰奖励计划 (2020)

云课堂教学杰出奖 (Outstanding Performance Award in Online Teaching)

10. 科学中国人杂志访问(2021 年 6 月): 找准人生“靶点”实现科研梦想

11. 2025 年度中银学术研究优秀奖

12. 2025 教育部科学研究优秀成果奖(自然科学和工程技术):

获奖项目：类风湿关节炎中西医结合诊疗原理的新发现及其应用

获奖者：黄锦伟（第 4 完成人）

奖励等级：自然科学研究成果奖一等奖

奖励日期：2025 年 12 月 19 日

证书号：2025-010-R04