黃錦偉教授

職稱: 教授
中藥質量研究國家重點實驗室助理主任
埃爾文內爾博士生物物理與創新药物實驗室執行主任
組學技術與創新藥物研究中心副主任

學院/部門: 埃爾文內爾博士生物物理與創新药物實驗室，中藥質量研究國家重點實驗室，澳門科技大學

電郵地址: kawwong@must.edu.mo

電話: (853) 8897-2408
傳真: (853) 2882-2799

郵寄地址: 澳門氹仔偉龍馬路澳門科技大學 H 座 H701 室

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，致力于抗炎及抗癌研究。2011 年 9 月加入澳門科技大學中藥質量研究國家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質量研究國家重點實驗室助理主任及埃爾文內爾博士生物物理與創新药物實驗室執行主任。

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。黃教授專長於研究細胞自噬與抗癌抗腦神經退化及對抗耐藥耐凋亡等問題，如天然小分子 SERCA 離子通道抑制劑及 AMPK 激活劑的抗耐藥耐凋亡作用; 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，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 的副編輯及 Phytomedicine 的編委；近十年間共獲資助項目總金額超過二千五百萬元澳門幣; 並分別於多個國際期刊上發表超過 200 篇 SCI 研究文章。黃博士亦是 40 個國際專利擁有者之一。在 2013-2018 年間，分別榮獲澳門中銀學術研究優秀獎、高等學校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 2021-2024 年全球前 2%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　　澳門科技大學中藥質量研究國家重點實驗室教授

2015.7 – 2022.6　澳門科技大學中藥質量研究國家重點實驗室副教授

2011.9 – 2015.6　澳門科技大學中藥質量研究國家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. Baixiong Huang#, Jerome P. L. Ng#, Dingqi Zhang, Linna Wang, Jiujie Yang, Yiting Li, Cecilia Rong Tan, Gan Luo, Bo Qin, David Wei Zhang, Jing Zhong, Xi Chen, Yuanqing Qu, Wanyu Wu, Wuyan Zheng, Xiongfei Xu, Weidan Luo, Yuping Wang, Betty Yuen Kwan Law, Wenfeng Liu*, Paolo Coghi*, Vincent Kam Wai Wong*. Celastrol derivatives ameliorate arthritis in AIA rats via modulating calcium signaling. ***Phytomedicine***. Accepted.
2. 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. Accepted in ***Medicine***.

3. 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.
4. 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.
5. Yuping Wang, Weidan Luo, Wanyu Wu, Chang Chen, Bo Qin, Xiongfei Xu, Yulin Xu, Linna Wang, Jiujie Yang, Wuyan Zheng, Xiaoyun Yun, Betty Yuen-Kwan Law, Vincent Kam-Wai Wong*. TREX1 Activators: A Novel Therapeutic Strategy for Rheumatoid Arthritis Management via cfDNA Clearance. ***Pharmacological Research***. 218 (2025) 107817.
6. Wang Junyi, Zhang Lei, Liu Yingying, Liu Yao, Xiong Anying, Ran Qin, He Xiang, Wong Vincent Kam Wai, Combs Colin, Li Guoping, Wu, Min. Epithelial Atg5 Deficiency Intensifies Caspase-11 Activation, Fueling Extracellular mtDNA Release to Activate cGAS–STING–NLRP3 Axis in Macrophages During Pseudomonas Infection. ***MedComm***. 10.1002/mco2.70239.
7. 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.
8. 蔣蔓靈，張　雷，劉　瑤，李國平, 黃錦偉*. 基於網路藥理學與分子對接探討蟲草素治療哮喘的作用機制. ***中國藥理學通報.*** **(Accepted)**
9. 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
10. Wenfeng He, Ruihong Chen, Guangliang Chen, Lihan Zhang, Yuhang Qian, Jie Zhou, Jianhua Peng, Vincent Kam-Wai Wong*, Yong Jiang*. Identification and

validation of prognostic genes related to histone lactylation modification in glioblastoma: an integrated analysis of transcriptome and single-cell RNA sequencing. ***Journal of Cancer*** 2025; 16(7):2145-2166.

11. Lin Lin Song, Yong Pei Tang, Yuan Qing Qu, Yun Xiao Yun, Rui Long Zhang, Cai Ren Wang, Vincent Kam Wai Wong, Hui Miao Wang, Meng Han Liu, Li Qun Qu, Jian Hui Wu, Hang Hong Lo, Betty Yuen Kwan Law#. Exosomal delivery of rapamycin modulates blood-brain barrier penetration and VEGF axis in glioblastoma. ***Journal of Controlled Release***. 2025 Mar 7:113605.
12. Wuyan Zheng†,Wanyu Wu†,Yuhan Li†, Bo Qin, Yuping Wang, Yunhan Zeng, Betty Yuen Kwan Law and Vincent Kam Wai Wong*. Lycorine Pre-Treatment Alleviates Microglia Inflammation After Cerebral Ischemia by Inhibiting NF-κB Phosphorylation. ***Brain Sciences***. 2025, 15(3), 290.
13. Jiu-Jie Yang*, Zhi-Li*, Lin-Na Wang, Bai-Xiong Huang, Jerome P.L. Ng, Xiong-Fei Xu, Yu-Ping Wang, David Wei Zhang, Bo-Qin, Ding-Qi Zhang, Chang Liu, Wei dan Luo, Betty Yuen Kwan Law, Hui-Miao Wang, Meng-Han Liu, Xiao-Yun Yun, Joyce Tsz Wai Chan, Wan Yu Wu, Yi Ting Li, Peter Kam Fai Cheung, Man Chon Pou, Kat Sang Ha, Wang Fai Ao Ieong, Chi Hou Leong, Kit Ieng Leong, Chan Wang Lei, Lek Hang Cheang# & Vincent Kam Wai Wong#. X-chromosome-linked miR-542-5p as a key regulator of sex disparity in rats with adjuvant-induced arthritis by promoting Th17 differentiation. ***Biomarker Research*** 2025 Mar 1;13(1):36.
14. Jialin Yu, Zonglin You, Vincent Kam Wai Wong, Min Chen, Wenfeng Liu. Novel Cinnamic Acid Derivatives Containing Naproxen as NLRP3 Inhibitors: Synthesis and Evaluation of Their Biological Activity. ***Chem Biodivers***. 2024 Dec 29:e202402700.
15. Yonglian Li, Zonglin You, Vincent Kam Wai Wong, Min Chen, Kun Zhang, Wenfeng Liu, Suqing Zhao. Synthesis and Biological Evaluation of Naproxen Derivatives as Novel NLRP3 Inhibitors. ***Chem Pharm Bull*** (Tokyo). 2024;72(11):979-988.
16. Liqun Qu, Yong Tang, Jianhui Wu, Xiaoyun Yun, Hang Hong Lo, Linlin Song, Xingxia Wang, Huimiao Wang, Ruilong Zhang, Menghan Liu, Cairen Wang, Jerome P. L. Ng, Xianjun Fu, Io Nam Wong, Vincent Kam Wai Wong* & Betty Yuen Kwan Law*. FBXL16: a new regulator of neuroinflammation and cognition in Alzheimer's disease through the ubiquitination-dependent degradation of amyloid precursor protein. ***Biomarker Research.*** (2024) 12:144.
17. Xiaoang Li, Imran Khan, Ruixuan Han, Guoxin Huang, Wenrui Xia, Lin Yin, Wai Kit Leong, Lu Su, Betty Yuen-Kwan Law, Vincent Kam Wai Wong, Qiang Wu, Xiaoling Guo, W.L. Wendy Hsiao. Gynostemma pentaphyllum saponins shield

mice from peanut allergy by modulation of gut microbiota: A novel approach for peanut allergy management. ***Phytomedicine*** 135 (2024) 156101.

18. Yonglian Li, Yingfan Cao, Vincent Kam Wai Wong, Min Chen, Wenfeng Liu, Suqing Zhao. Inhibition of LPS-induced NO production by plant essential oils. ***Food Sci Biotechnol*** (2024). https://doi.org/10.1007/s10068-024-01738-2.
19. Liang Jin†, Jianping Gan†, Xuewei Li, Yun Lu, Yue Wang* and Vincent Kam Wai Wong*. Rheumatoid arthritis and COVID-19 outcomes: A Systematic Review and Meta-analysis. ***BMC Rheumatology***. 2024 Nov 12;8(1):61.
20. Guo xin Huang, Jingyi Wang, Lin Yin, Imran Khan, Betty Yuen Kwan Law, Yi Zheng, Mengze Xu, Vincent Kam Wai Wong and W L Wendy Hsiao. The impact of test anxiety on oral microbiota among medical students-A pilot study. ***Stress Health***. 2024 Sep 18:e3479.
21. Yonglian Li, Kun Zhao, Zhidi Wu, Yujun Zheng, Jialin Yu, Sikun Wu, Vincent Kam Wai Wong, Min Chen, Wenfeng Liu*, Suqing Zhao*. Discovery of cinnamic acid derivatives as potent anti-H. pylori agents. ***Molecules***, 2024 Sep 25;29(19):4548.
22. Mengyu Wang, Liqun Qu, Xinying Du, Peng Song, Jerome P. L. Ng, Vincent Kam Wai Wong, Betty Yuen Kwan Law*, Xianjun Fu*. Natural Products and Derivatives Targeting Metabolic Reprogramming in Colorectal Cancer: A Comprehensive Review. ***Metabolites*** 2024 Sep 9;14(9):490.
23. Xing Xia Wang†, Xiang Ji†, Jing Lin†, Io Nam Wong, Hang Hong Lo, Jian Wang, Liqun Qu, Vincent Kam Wai Wong, Sookja Kim Chung* and Betty Yuen Kwan Law*. GPCR-Mediated Natural 1 Products and Compounds: Potential Therapeutic Targets for the Treatment of Neurological Diseases. ***Pharmacol Res.*** 2024 Sep 4:208:107395.
24. Bo Qin, Shi-jie Fu, Xiong-fei Xu, Jiu-jie Yang, Yuping Wang, Lin-na Wang, Bai-xiong Huang, Jing Zhong, Wan-yu Wu, Heng-ao Lu, Betty Yuen Kwan Law, Nick Wang, Io Nam Wong*, Vincent Kam Wai Wong*. Far-infrared radiation and its therapeutic parameters: A superior alternative for future regenerative medicine? ***Pharmacol Res.*** 2024 Aug 14:208:107349. doi: 10.1016/j.phrs.2024.107349.
25. Ying-Qi Song*, Yiwen Xu*, Li Jun Yang*, Ling Wang* Shaozhen Jing, Guan-Jun Yang, Daniel Shiu-Hin Chan, Chun-Yuen Wong, Wanhe Wang#, Vincent Kam Wai Wong#, Chung-Hang Leung#. Probing the AFF4–CCNT1 protein-protein interaction using a metal-organic conjugate for treating triple-negative breast cancer. ***Chemical Engineering Journal***. 496 (2024) 153685
26. Di Wang, Jiahui Lu, Jiaming Zhou, Vincent Kam Wai Wong. Useful or not? The discussion of traditional Chinese medicine to treat COVID-19 on a Chinese social networking site. ***BMJ Global Health.*** 2024 Jun 10;9(6):e014398.

27. Fang Ren, Shiqiao Zhao, Xin He, Hanghong Lo, Vincent Kam Wai Wong, Betty Yuen Kwan Law, Anguo Wu, Juan Zhang. Discovery and mechanistic study of Imperatorin that inhibits HBsAg expression and cccDNA transcription. ***Journal of Medical Virology.*** 2024 May;96(5):e29669.
28. Yingfan Cao, Zonglin You, Yongjing Cao, Yonglian Li, Vincent Kam Wai Wong, Min Chen, Kun Zhang, Wenfeng Liu*. Synthesis and in vitro characterization of naproxen derivatives as novel anti-inflammatory agents. ***Journal of Molecular Structure.*** Volume 1309, 5 August 2024, 138158.
29. Zhang, L., Wang, J. Y., He, X., Wu, M., Li, G. P., & Vincent Kam Wai Wong*. (2024). ***Zhongguo yi xue ke xue yuan xue bao.*** Acta Academiae Medicinae Sinicae, 46(1), 1–10. https://doi.org/10.3881/j.issn.1000-503X.15831.
30. 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
31. 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.
32. Ding-qi Zhang*, Qin-hai Ma*, Meng-chu Yang*, Yulia Yu Beliakova, Zi-feng Yang, Peter S. Radulov, Rui-hong Chen, Li-jun Yang, Jing-yuan Wei, Yu Tong Peng, Wu Yan Zheng, Ivan A. Yaremenko, Alexander Terent'ev#, Paolo Coghi#, Vincent Kam Wai Wong#. Peroxide derivative as SARS-CoV2 entry inhibitors. ***Viral Research,*** 2023 Dec 12:340:199295。
33. Yaling Zeng, Jerome P. L. Ng, Linna Wang, Xiongfei Xu, Betty Yuen Kwan Law, Guobing Chen, Hang Hong Lo, Lijun Yang, Jiujie Yang, Lei Zhang, Liqun Qu, Xiaoyun Yun, Jing Zhong, Ruihong Chen, Dingqi Zhang, Yuping Wang, Weidan Luo, Congling Qiu, Baixiong Huang, Wenfeng liu, Liang Liu*, Vincent Kam Wai Wong*. Mutant $p53^{R211*}$ ameliorates inflammatory arthritis in AIA rats via inhibition of TBK1-IRF3 innate immune response. ***Inflammation Research.*** 2023 Dec;72(12):2199-2219.
34. 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 β-amyloid and Tau proteins. ***Phytotherapy Research*** Accepted

35. 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.
36. Liu, menghan, Tang, Yong, Qu, Li Qun, Song, Lin Lin, Lo, Hang Hong, Zhang, Rui Long, Yun, Xiaoyun, Wang, Hui-Miao, Chan, Joyce Tsz Wai, Wu, Jian Hui, Wang, Cai Ren, Wong, Vincent Kam Wai, Wu, An Guo, Law, Betty Yuen Kwan. Raddeanin A isolated from Anemone raddeana Regel improves pathological and cognitive deficits of the mice model of Alzheimer's disease by targeting β-amyloidosis. ***Phytomedicine.*** 122 (2024) 155121.
37. 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.
38. Richa Sharma, Lalit Yadav, Ali Adnan Nasim, Ravi Kant Yadav, Ruihong Chen, Neha Kumari, Fan Ruiqi, Ashoke Sharon, Nawal Kishore Sahu, Sirish Kumar Ippagunta, Paolo Coghi *, Vincent Kam Wai Wong *, Sandeep Chaudhary*. Chemo-/Regio-Selective Synthesis of Novel Functionalized Spiro[pyrrolidine-2,3′-oxindoles] under Microwave Irradiation and Their Anticancer Activity ***Molecules.*** 2023, 28(18), 6503.
39. Xingxia Wang†, Wei Hu†, Liqun 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.
40. Linna Wang, Baixiong Huang, Yaling Zeng, Jiujie Yang, Zhi Li, Jerome P. L. Ng, Xiongfei Xu, Lu Su, Xiaoyun Yun, Liqun Qu, Ruihong Chen, Weidan Luo, Yuping Wang, Chang Chen, Lijun Yang, Yuanqing Qu, Wei Zhang, Joyce Tsz Wai Chan, Xingxia Wang, Betty Yuen Kwan Law, Simon Wing Fai Mok, Sookja Kim Chung*, Vincent Kam Wai Wong*. N-Acetylcysteine overcomes epalrestat-mediated increase of toxic 4-hydroxy-2-nonenal and potentiates the anti-arthritic effect of epalrestat in AIA model. ***Int J Biol Sci*** 2023 Aug 6;19(13):4082-4102.

41. Weidan Luo, Yuping Wang, Jun Lv, Yong Liu, Lijun Yang, Yuanqing Qu, Zicong Lin, Xiongfei Xu, Linna Wang, Ruihong Chen, Jiujie Yang, Yaling Zeng, Ruilong Zhang, Baixiong Huang, Linlin Song, Xiaoyun Yun, Xi Chen, Wei Zhang, Kaixi Zhang, Huimiao Wang, Xingxia Wang, Liqun Qu, Menghan Liu, Liang Liu*, Betty Yuen Kwan Law*, Vincent Kam Wai Wong*. Age-related self-DNA accumulation may accelerate arthritis in rats and in human rheumatoid arthritis. ***Nat Commun.*** 2023 Jul 20;14(1):4394.
42. Hoi Hei Tam, Dongxing Zhu, Samuel Sze King Ho, Heng Wai Vong, Vincent Kam Wai Wong, Simon Wing-Fai Mok* and Io Nam Wong*. Potential enhancement of post-stroke angiogenic response by targeting the oligomeric aggregation of p53 protein. ***Front. Cell. Neurosci.*** 2023 Jul 18:17:1193362.
43. Feng-Dan Zhu[†], Xue Chen[†], Lu Yu[†], 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.
44. Richa Sharma[1], Mohit Kumar Tiwari[1], Ali Adnan Nasim, Dharmendra Kumar Yadav, Paolo Saul Coghi*, Vincent Kam Wai Wong*, Prof. Sandeep Chaudhary*. Artemisinin-Inspired Novel Functionalized Aryloxy-Arylvinyl-1,2,4-trioxanes as Potent Anticancer Agents: Design, Synthesis, Bioevaluation, SAR and in silico Studies. ***Journal of Molecular Structure.*** Volume 1288, 15 September 2023, 135707.
45. Ying-Qi Song, Guo-Dong Li, Dou Niu, Feng Chen, Shaozhen Jing, Vincent Kam Wai Wong, Wanhe Wang* & Chung-Hang Leung*. A robust luminescent assay for screening alkyladenine DNA glycosylase inhibitors to overcome DNA repair and temozolomide drug resistance. ***Journal of Pharmaceutical Analysis*** 2023 May;13(5):514-522.
46. Yuan-Qing Qu[a,b]*, Lin-Lin Song[a]*, Su-Wei Xu[a,c], Margaret Sum Yee Yu[a], Onat Kadioglu[d], Francesco Michelangeli[e], Betty Yuen Kwan Law[a], Thomas Efferth[d], Christopher Wai-Kei Lam[b#], Vincent Kam Wai Wong[a#]. 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.
47. Ou, Yi, You, Zonglin, Yao, Min, Xue, Xiu, Chen, Min, Wu, Rihui, Gan, Li-She, Li, Dongli, Wu, Panpan, Xu, Xuetao, Wong, Wing-Leung, Wong, Vincent Kam Wai, Liu, Wenfeng, Ye, Jiming, Jin, Jingwei. Naproxen-Derived New Compound Inhibits the NF-κB, MAPK and PI3K/Akt Signaling Pathways Synergistically with Resveratrol in RAW264.7 Cells. ***Molecules*** 2023 Apr 12;28(8):3395.

48. Linlin song, Yuan Qing Qu, Yong Pei Tang, Xi Chen, Hang Hong lo, Li Qun Qu, Xiao Yun Yun, Vincent Kam Wai Wong, Rui Long Zhang, Hui Miao Wang, Meng Han Liu, Wei Zhang, Hui Xia Zhang, Joyce Tsz Wai Chan, Cai Ren Wang, Jian Hui Wu, Betty Yuen Kwan Law*. Hyperoside alleviates toxicity of β-amyloid via endoplasmic reticulum-mitochondrial calcium signal transduction cascade in APP/PS1 double transgenic Alzheimer's disease mice. ***Redox Biology*** 2023 May;61:102637.
49. Shijie Fu, Yujian Lan, Guoyou Wang, Dingsu Bao, Bo Qin, Qiu Zheng, Huan Liu, Vincent Kam Wai Wong*. External stimulation: A potential therapeutic strategy for tendon-bone healing. ***Front Bioeng Biotechnol.*** 2023 Mar 31;11:1150290.
50. Congling Qiu[#], Joyce Tsz Wai Chan[#], David Wei Zhang[#], Io Nam Wong, Yaling Zeng, Betty Yuen Kwan Law, Simon Wing Fai Mok, Ivo Ricardo De Seabra Rodrigues Dias, Wenfeng Liu, Liang Liu* & Vincent Kam Wai Wong*. The potential development of drug resistance in rheumatoid arthritis patients identified with p53 mutations. ***Genes & Diseases.*** 2023 Mar 24;10(6):2252-2255.
51. Guodong Li[1], Qi Huang[1], Vincent Kam Wai Wong[#], Wanhe Wang[#], Chung-Hang Leung[#]. Development of a dual targeting scaffold of SET7/MLL inhibitor for castration-resistant prostate cancer treatment. ***Genes & Diseases.*** 2023 Nov; 10(6): 2260–2262.
52. Yunjian Ma, Zongquan Li, Hao Zhang, Vincent Kam Wai Wong, Frank Hollmann*, Yonghua Wang*. Bienzymatic Cascade Combining a Peroxygenase with an Oxidase for the Synthesis of Aromatic Aldehydes from Benzyl Alcohols. ***Catalysts.*** 2023, 13(1), 145.
53. Ren Fang, Tan Ming, Jerome P. L. Ng, Wu An Guo, Yuan Si Yu, Zhang Hui, Ren Ji Hua, Cheng Sheng Tao, Zhang Juan, Lo Hang Hong, Vincent Kam Wai Wong*, Betty Yuen Kwan Law*, Juan Chen*. Ciliatoside A, isolated from Peristrophe japonica, inhibits HBsAg expression and cccDNA transcription by inducing autophagy. ***Antiviral Research*** 2023 Jan;209:105482.
54. Giovanni Ribaudo•, Xiao Yun Yun•, Alberto Ongaro, Erika Oselladore, Jerome P. L. Ng, Richard K. Haynes, Betty Yuen Kwan Law, Maurizio Memo, Vincent Kam Wai Wong*, Paolo Coghi* and Alessandra Gianoncelli*. Combining computational and experimental evidence on the activity of antimalarial drugs on papain-like protease of SARS-CoV-2: A repurposing study. ***Chem Biol Drug Des.*** 2023 Apr;101(4):809-818.
55. Chang-Long He, Yong Tang, Xue Chen, Tao Long, Yan-Ni He, Jing Wei, Jian-Ming Wu, Cai Lan, Lu Yu, Fei-Hong Huang, Cong-Wei Gu, Jian Liu, Chong-Lin Yu, Vincent Kam-Wai Wong, Betty Yuen-Kwan Law, Da-Lian Qin, An-Guo Wu, Xiao-Gang Zhou. Folium Hibisci Mutabilis extract, a potent autophagy enhancer, exhibits

neuroprotective properties in multiple models of neurodegenerative diseases. ***Phytomedicine***. 2023 Jan;109:154548.

56. Xi Chen, Jiaqi Li, Ren Zhang, Yao Zhang, Xiaoxuan Wang, Elaine Lai-Han Leung, Lijuan Ma, Vincent Kam Wai Wong[#], Liang Liu[#], Erwin Neher[#], Haijie Yu[#]。 Suppression of PD-L1 release from small extracellular vesicles promotes systemic anti-tumor immunity by targeting ORAI1 calcium channels。 ***Journal of Extracellular Vesicles*** 2022 Dec;11(12):e12279.
57. Lin Yin, Guoxin Huang, Imran Khan, Lu Su, Wenrui Xia, Betty Yuen Kwan Law, Vincent Kam Wai Wong, Qiang Wu, Jingyi Wang, Wai Kit Leong and W. L. Wendy Hsiao. *Poria cocos* polysaccharides exert prebiotic function to attenuate the adverse effects and improve the therapeutic outcome of 5-FUin ApcMin/+ mice. ***Chinese Medicine*** 2022 Oct 3;17(1):116.
58. Jiujie Yang[#], Zhi Li[#], Linna Wang, Xiaoyun Yun, Yaling Zeng, Jerome P.L. Ng, Hanghong Lo, Yan Wang, Kaixi Zhang, Betty Yuen Kwan Law and Vincent Kam Wai Wong*. The role of non-coding RNAs (miRNA and lncRNA) in the clinical management of rheumatoid arthritis. ***Pharmacological Research***. 2022 Dec; 186:106549.
59. Zonglin You, Yonglian Li, Min Chen, Vincent Kam Wai Wong, Kun Zhang, Xi Zheng, Wenfeng Liu*. Inhibition of plant essential oils and their interaction in binary combinations against tyrosinase. ***Food Nutr Res.*** 2022 Dec 27:66.
60. Li Zhang, Yuan-Yuan Yong, Lan Deng, Jing Wang, Betty Yuen-Kwan Law, Meng-Ling Hu, Jian-Ming Wu, Lu Yu, Vincent Kam-Wai Wong, Chong-Lin Yu, Da-Lian Qin, Xiao-Gang Zhou and An-Guo Wu. Therapeutic potential of Polygala saponins in neurological diseases. ***Phytomedicine.*** 2023 Jan;108:154483.
61. Xiao-Gang Zhou, Wen-Qiao Qiu, Lu Yu, Rong Pan, Jin-Feng Teng, Zhi-Pei Sang, Betty Yuen-Kwan Law, Ya Zhao, Li Zhang, Lu Yan, Yong Tang, Xiao-Lei Sun, **Vincent Kam Wai Wong**, Chong-Lin Yu, Jian-Ming Wu#, Da-Lian Qin# & An-Guo Wu#. Targeting microglial autophagic degradation of the NLRP3 inflammasome for identification of thonningianin A in Alzheimer's disease. ***Inflammation and Regeneration*** 2022 Aug 3;42(1):25.
62. Zonglin You, Yonglian Li, Kun Zhang, Xi Zheng, Vincent Kam Wai Wong, Wenfeng Liu. Inhibitory effect of plant essential oils on α-glucosidase. ***Food Science and Biotechnology (2022).*** 2022 Aug 9;31(12):1593-1602.
63. Paolo Coghi ‡, Ivan A. Yaremenko ‡, Parichat Prommana, Jia Ning Wu, Rui Long Zhang, Jerome P. L. Ng, Yulia Yu Belyakova, Betty Yuen Kwan Law, Peter S. Radulov, Chairat Uthaipibull*, Vincent Kam Wai Wong*, and Alexander O. Terent'ev*. Antimalarial and Anticancer Activity Evaluation of Bridged Ozonides,

Aminoperoxides, and Tetraoxanes. ***ChemMedChem*,** 2022 Oct 19;17(20):e202200328.

64. Jerome Ng, Yu Han, Li Jun Yang, Lyn-Marie Birkholtz, Dina Coertzen, Ho Ning Wong, Richard K. Haynes*, Paolo Coghi* and Vincent Kam Wai Wong*. Antimalarial and antitumour activities of the steroidal quinone-methide celastrol and its combinations with artemiside, artemisone and methylene blue. ***Frontiers in Pharmacology.*** 2022 Sep 2;13:988748.
65. Si-yu Yuan, Hai-Bo Yu, Zhen Yang, Yi-Ping Qin, Ji-Hua Ren, Sheng-Tao Cheng, Fang Ren, Betty Yuen Kwan Law, Vincent Kam Wai Wong, Jerome Pak Lam Ng, Yu-Jiao Zhou, Xin He, Ming Tan, Zhen-Zhen Zhang and Juan Chen. Pimobendan inhibits HBV transcription and replication by suppressing HBV promoters activity. ***Front Pharmacol.*** 2022 Jun 3;13:837115.
66. Zhenxiong Gao，Tingting Fan， Linbo Chen， Mengchu Yang， Vincent Kam Wai Wong， Dawei Chen， Zijian Liu， Yaoyao Zhou， Weibin Wu， Zixuan Qiu， Cunlong Zhang， Yuan Li， Yuyang Jiang. Design, Synthesis and Antitumor Evaluation of Novel 1H-indole-2-carboxylic Acid Derivatives Targeting 14-3-3η Protein. ***European Journal of Medicinal Chemistry.*** Volume 238, 5 August 2022, 114402
67. Paolo Coghi[a1], Xiao Yun Yun[b1], Jerome P. L. Ng[b], Maurizio Memo[c], Alessandra Gianoncelli[c] Vincent Kam Wai Wong[b]* and Giovanni Ribaudo[c]*. Exploring SARS-CoV-2 Delta Variant Spike Protein Receptor-Binding Domain (RBD) as a Target for Tanshinones and Antimalarials. ***Natural Product Research.*** 2022 Mar 25;1-6.
68. Jerome P. L. Ng, Mohit K. Tiwari, Ali Adnan Nasim, Rui Long Zhang, Yuanqing Qu, Richa Sharma, Betty Yuen Kwan Law, Dharmendra Kumar Yadav*, Sandeep Chaudhary*, Paolo Coghi*, Vincent Kam Wai Wong*. Biological Evaluation in Resistant Cancer Cells and Study of Mechanism of Action of Arylvinyl-1,2,4-Trioxanes. ***Pharmaceuticals*** 2022, 15(3), 360
69. Xiaoyun Yun, Yuhan Xie, Jerome P. L. Ng, Betty Yuen Kwan Law, Vincent Kam Wai Wong*, and Paolo Coghi*. 2-Bromo-3-((1-(7-chloroquinolin-4-yl)-1H-1,2,3-triazol-4-yl)-methoxy)-benzaldehyde. ***Molbank*** 2022(1), M1351; https://doi.org/10.3390/M1351
70. Waikit Leong, Guoxin Huang, Weilin Liao, Wenrui Xia, Xiaoang Li, Ziren Su, Liang Liu, Qiang Wu, Vincent Kam Wai Wong, Betty Yuen Kwan Law, Chenglai Xia, Xiaoling Guo, Imran Khan#, W.L.Wendy Hsiao#. Traditional Patchouli essential oil modulates the host's immune responses and gut microbiota and exhibits potent anti-cancer effects in $Apc^{Min/+}$ mice. ***Pharmacological Research*** 2022 Jan 12;106082.

71. Hui-Miao Wang, Li Qun Qu, Jerome P. L. Ng, Wu Zeng, Lu Yu, Lin Lin Song, Vincent Kam Wai Wong, Cheng Lai Xia*, Betty Yuen-Kwan LAW*. Natural Citrus flavanone 5-demethylnobiletin stimulates melanogenesis through the activation of cAMP/CREB pathway in B16F10 cells. ***Phytomedicine.*** 2022 Jan 19;98:153941.
72. Bin Tang, Wu Zeng, Lin Lin Song, Hui Miao Wang, Li Qun Qu, Hang Hong Lo, Lu Yu, An Guo Wu, Vincent Kam Wai Wong *, Betty Yuen Kwan Law *. Exosomal delivery of neferine for attenuation of neurodegenerative disease proteins and motor deficit in Alzheimer's disease mice via enhancement of blood brain barrier permeability. ***Pharmaceuticals.*** 2022, 15, 83. https://doi.org/10.3390/ph15010083
73. Wen-Qiao Qiu; Wei Ai; Feng-Dan Zhu; Yue Zhang; Min-Song Guo; Betty Yuen-Kwan Law; Jian-Ming Wu; Vincent Kam-Wai Wong; Yong Tang; Lu Yu; Qi Chen; Chong-Lin Yu; Xiao-Gang Zhou; Da-Lian Qin, Anguo Wu. Polygala saponins inhibit NLRP3 inflammasome-mediated neuroinflammation via SHP2-Mediated mitophagy. ***Free Redical Biology & Medicine***. 2021 Dec 20;179:76-94.
74. Yoke Mooi Ng, Paolo Coghi, Fayaz Ali, Vincent Kam Wai Wong, Carmine Coluccini*. Synthesis and Coordination Properties of a Water-Soluble Material by Cross-Linking Low Molecular Weight Polyethyleneimine with Armed Cyclotriveratrilene. ***Polymers(Basel)***. 2021 Nov 26;13(23), 4133.
75. Cai-Ren Wang, Hong-Wei Chen, Yan Li, Ming-Yue Zhou, Vincent Kam-Wai Wong, Zhi-Hong Jiang*, Wei Zhang*. Network pharmacology exploration reveals anti-apoptosis as a common therapeutic mechanism for non-alcoholic fatty liver disease treated with blueberry leaf polyphenols. ***Nutrients.*** 2021 Nov 13;13(11):4060.
76. Nuha Mahmoud [a], Mona Dawood [a], Qi Huang [b], Jerome P. L. Ng [b], Fang Ren [b], Vincent K. W. Wong [b,c]*, Thomas Efferth [a]*. Nimbolide inhibits 2D and 3D prostate cancer cells migration, affects microtubules and angiogenesis and suppresses B-RAF/p.ERK-mediated *in vivo* tumor growth. ***Phytomedicine.*** **https://doi.org/10.1016/j.phymed.2021.153826.**
77. Sha-Sha Cheng, Yuan-Qing Qu, Jia Wu, Guan-Jun Yang, Hao Liu, Wanhe Wang, Qi Huang, Feng Chen, Guodong Li, Chun-Yuen Wong, Vincent Kam Wai Wong*, Dik-Lung Ma*, Chung-Hang Leung*. Inhibition of the CDK9–cyclin T1 protein–protein interaction as a new approach against triple-negative breast cancer. ***Acta Pharmaceutica Sinica B.*** **Accepted**
78. Hu-Qiang He, Yuan-Qing Qu, Cong-ling Qiu, Yu Han, Ivo Ricardo de Seabra Rodrigues Dias, Yong Liu, Jie Zhang, An-Guo Wu, Cheng-Wen Wu, Simon Wing Fai Mok, Yan-Zheng He* and Vincent Kam Wai Wong*. Suppression of Autophagy and Apoptosis Rescue Human Vascular Smooth Muscle Cells from AGEs-induced Calcification. ***Frontiers in Pharmacology.*** 20 October 2021 | https://doi.org/10.3389/fphar.2021.692431

79. Paolo Coghi, Li Jun Yang, Jerome P. L. Ng, Richard K. Haynes, Maurizio Memo, Alessandra Gianoncelli, Vincent Kam Wai Wong* and Giovanni Ribaudo*. A Drug Repurposing Approach for Antimalarials Interfering with SARS-CoV-2 Spike Protein Receptor Binding Domain (RBD) and Human Angiotensin-Converting Enzyme 2 (ACE2). ***Pharmaceuticals***. 2021, 14(10), 954; https://doi.org/10.3390/ph14100954
80. Xi Chen, Hui Zhang, Wu Zeng, Nick Wang, Hang Hong Lo, Chi Kio Ip, Li Jun Yang, W.L. Wendy Hsiao, Wai Man Sin, Chenglai Xia, Betty Yuen Kwan Law* and Vincent Kam Wai Wong*. Far infrared irradiation suppresses experimental arthritis in rats by down-regulation of genes involved in inflammatory response and autoimmunity. ***Journal of Advanced Research***. 2021 Sept 1; https://doi.org/10.1016/j.jare.2021.08.015
81. Dingqi Zhang*, Sami Hamdoun*, Ruihong Chen*, Lijun Yang*, Chi Kio Ip, Yuanqing Qu, Runfeng Li, Haiming Jiang, Zifeng Yang#, Sookja Kim Chung#, Liang Liu# and Vincent Kam Wai Wong#. Identification of natural compounds as SARS-CoV-2 entry inhibitors by molecular docking-based virtual screening with bio-layer interferometry. ***Pharmacological Research.*** 2021 Aug 14;172:105820. doi: 10.1016/j.phrs.2021.105820.
82. Yun Zhang†, Xing Wang†, He Zhang, Hongmei Tang, Hang Hu, Songping Wang, Vincent Kam Wai Wong*, Yuying Li* and Jun Deng*. Autophagy modulators from Chinese herb medicines: Mechanisms and therapeutic potentials for asthma. ***Front Pharmacol. 2021 Jul 23;12:710679.***
83. Mohit K. Tiwari,†,a Paolo Coghi,†,b Prakhar Agrawal,†,c Dharmendra K. Yadav,d Li Jun Yang,e Qiu Congling,e Dinkar Sahal,c,* Vincent Kam Wai Wong,e,* Sandeep Chaudharya,*. Novel Halogenated Arylvinyl-1,2,4 Trioxanes as Potent Antiplasmodial as well as Anticancer Agents: Synthesis, Bioevaluation, Structure-Activity Relationship and In-silico Studies. ***Eur J Med Chem. 2021 Jul 10;224:113685. doi: 10.1016/j.ejmech.2021.113685.***
84. Paolo Coghi, Jerome P. L. Ng, Onat Kadioglu, Betty Yuen Kwan Law, Alena Congling Qiu, Mohamed E.M. Saeed, Xi Chen, Chi Kio Ip, Thomas Efferth*, Liang Liu* and Vincent Kam Wai Wong*. Synthesis, computational docking and biological evaluation of celastrol derivatives as dual inhibitors of SERCA and P-glycoprotein in cancer therapy. ***Eur J Med Chem. 2021 Jul 5;224:113676. doi: 10.1016/j.ejmech.2021.113676.***
85. Wu Zeng, An Guo Wu, Xiao-Gang Zhou, Imran Khan, Rui Long Zhang, Hang Hong Lo, Li Qun Qu, Lin Lin Song, Xiao Yun Yun, Hui Miao Wang, Juan Chen, Jerome P L Ng, Fang Ren, Si Yu Yuan, Lu Yu, Yong Tang, Guo Xin Huang, Vincent Kam Wai Wong, Sookja Kim Chung, Simon Wing Fai Mok, Da Lian Qin, Hua Lin Sun,

Liang Liu, W L Wendy Hsiao, Betty Yuen Kwan Law. Saponins isolated from Radix polygalae extent lifespan by modulating complement C3 and gut microbiota. ***Pharmacol Res. 2021 Aug;170:105697. doi: 10.1016/j.phrs.2021.105697.***

86. Ivo Ricardo de Seabra Rodrigues Dias, Hang Hong Lo, Kaixi Zhang, Betty Yuen Kwan Law, Ali Adnan Nasim, Sookja Kim Chung#, Vincent Kam Wai Wong#, Liang Liu#. Potential therapeutic compounds from traditional Chinese medicine targeting endoplasmic reticulum stress to alleviate rheumatoid arthritis. ***Pharmacol Res. 2021 Aug;170:105696. doi: 10.1016/j.phrs.2021.105696.***
87. Paolo Coghi*, Jerome P. L. Ng, Ali Adnan Nasim, Vincent Kam Wai Wong*. N-[7-Chloro-4-[4-(phenoxymethyl)-1H-1,2,3-triazol-1-yl] quinoline]-acetamide. ***Molbank.*** 2021(2), M1213
88. Giovanni Ribaudo*, Paolo Coghi*, Li Jun Yang, Jerome P. L. Ng, Andrea Mastinu, Maurizio Memo, Vincent Kam Wai Wong and Alessandra Gianoncelli. Computational and Experimental Insights on the Interaction of Artemisinin, Dihydroartemisinin and Chloroquine with SARS-CoV-2 Spike Protein Receptor-Binding Domain (RBD). ***Natural Product Research.*** 2021 May 12;1-6.
89. Guodong Li, Chung-Nga Ko, Dan Li, Chao Yang, Wanhe Wang, Guan-Jun Yang, Carmelo Di Primo, Vincent Kam Wai Wong, Yaozu Xiang, Ligen Lin, Dik-Lung Ma*, and Chung-Hang Leung*. Small molecule HIF-1α stabilizer that accelerates diabetic wound healing. ***Nature Communication***. 2021 Jun 7;12(1):3363.
90. Li Jun Yang*, Rui Hong Chen*, Sami Hamdoun, Paolo Coghi, Jerome Pak Lam Ng, David Wei Zhang, Xiaoling Guo, Chenglai Xia, Betty Yuen Kwan Law# and Vincent Kam Wai Wong#. Corilagin, a novel anti-SARS-CoV-2 agent targets RBD-ACE2 binding to prevent viral infection. ***Phytomedicine.*** Volume 87, July 2021, 153591..
91. Douglas Ochora, Esezah Kakudidi, Jane Namukobe, Matthias Heydenreich, Paolo Coghi, Li Jun Yang, Edwin Mwakio, Ben Andagalu, Amanda Roth, Hoseah M Akala, **Vincent K. W. Wong** and Yenesew Abiy*. A new benzophenone and the Antiplasmodial activities of the constituents of Securidaca longipedunculata. ***Natural Product Research.*** https://doi.org/10.1080/14786419.2021.1925272
92. Xiaoang Li, Imran Khan, Wenrui Xia, Guoxin Huang, Liang Liu, Betty Yuen Kwan Law, Lin Yin, Weilin Liao, Waikit Long, Ruixuan Han, **Vincent Kam Wai Wong**, Chenglai Xia, Xiaoling Guo, Wendy Hsiao. Icariin enhances youth-like features by attenuating the declined gut microbiota in the aged mice. ***Pharmacological Research***. Volume 168, June 2021, 105587
93. Klionsky DJ,,…….Betty Yuen Kwan Law,……Vincent Kam Wai Wong,…*et al.* Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). ***Autophagy.*** 2021 Feb 8;1-382.

94. Rui Hong Chen1*, Li Jun Yang1*, Sami Hamdoun1，4, Sookja Kim Chung2, Christopher Wai-kei Lam2, Kai Xi Zhang1, Xiaoling Guo3, Chenglai Xia3, Betty Yuen Kwan Law1# and Vincent Kam Wai Wong1#. 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.
95. Vincent Kam-Wai Wong#. Editorial overview: New technologies in 2020: Drug Resistance. ***Current Opinion in Pharmacology***. 2020, 54: iii–vi.
96. An-Guo Wu*, Rong Pan*, Betty Yuen-Kwan Law*, Yong Tang, Jian-Ming Wu, Chang-Long He, Vincent Kam-Wai Wong, Lu Yu, Wen-Qiao Qiu, Jin-Feng Teng, Chong-Lin Yu#, Xiao-Gang, Zhou#, Da-Lian Qin#. Targeting autophagy as a therapeutic strategy for identification of liganans from Peristrophe japonica in Parkinson's disease. ***Signal Transduction and Targeted Therapy.*** Accepted on 26 Nov, 2020.
97. Carolyne Chepkirui, Purity J. Ochieng, Biswajyoti Sarkar, Aabid Hussain, Chiranjib Pal, Li Jun Yang, Paolo Coghi, Hoseah M. Akala, Solomon Derese, Albert Ndakala, Matthias Heydenreich, Vincent K. W. Wong, Mate Erdelyi*, Abiy Yenesew*. Antiplasmodial and Antileishmanial Flavonoids from Mundulea sericea. ***Fitoterapia*** 2020 Nov 30;149:104796.
98. Moses Andima, Albert Ndakala, Solomon Derese, Sarkar Biswajyoti, Aabid Hussain, Li Jun Yang, Otieno Elsie Akoth, Paolo Coghi, Chiranjib Pal, Matthias Heydenreich, Vincent Kam-Wai Wong & Abiy Yenesew *. Antileishmanial and Cytotoxic Activity of Secondary Metabolites from *Taberneamontana ventricosa* and Two *Aloe* Species. ***Natural Product Research***. 2021 Jan 18;1-5.
99. Sheng-Tao Cheng, Jie-Li Hu, Ji-Hua Ren, Hai-Bo Yu, Shan Zhong, Vincent Kam Wai Wong, Betty Yuen Kwan Law, Wei-Xian Chen, Hong-Mei Xu, Zhen-Zhen Zhang, Xue-Fei Cai, Yuan Hu, Wen-Lu Zhang, Quan-Xin Long, Fang Ren, Hong-Zhong Zhou, Ai-Long Huang, Juan Chen. Dicoumarol, an NQO1 inhibitor, blocks cccDNA transcription by promoting degradation of HBx. ***Journal of Hepatology***. 2020 Sep 25;S0168-8278(20)33661-8. DOI: 10.1016/j.jhep.2020.09.019
100. Jerome P. L. Ng, Paolo Coghi, Betty Yuen Kwan Law, Liang Liu* and Vincent Kam Wai Wong*. The present and future synthetic strategies of structural modifications of sinomenine. ***Org Chem Front.*** 2020,7, 4089-4107
101. Kai Xi Zhang*, Chi Kio Ip*, Sookja Kim Chung, Kei Kei Lei, Yao Qian Zhang, Liang Liu# and Vincent Kam Wai Wong#. Drug-resistance in rheumatoid arthritis: The role of p53 gene mutations, ABC family transporters and personal factors ***Current Opinion in Pharmacology.*** 2020, 54:59–71.
102. Wu Zeng*, Betty Y.K. Law*, Vincent K.W. Wong, Denise S.B. Chan, Simon W.F. Mok, Joyce J.Y. Gao, Rebecca K.Y. Ho, Xu Liang, Jia H. Li, Ming T. Lee, Weng L.

Yoon, Michael P. Smolinski, Johnson Y.N. Lau, Christopher W.K. Lam#, and Manson Fok#. HM30181A, a potent P-glycoprotein inhibitor, potentiates absorption and *in vivo* anti-tumor efficacy of paclitaxel in an orthotopic brain tumor model. ***Cancer Biology & Medicine*.** 2020 Nov 15;17(4):986-1001.

103. Qi Huang, Hui Zhang, Li Ping Bai, Betty Yuen Kwan Law, Haoming Xiong, Xiaobo Zhou, Riping Xiao, Yuan Qing Qu, Simon Wing Fai Mok, Liang Liu* and Vincent Kam Wai Wong*. Novel ginsenoside derivative 20(S)-Rh2E2 suppresses tumor growth and metastasis *in vivo* and *in vitro via* intervention of cancer cell energy metabolism. ***Cell Death & Disease.*** 2020 Aug 14;11(8):621.
104. Mohit K. Tiwari,†, Paolo Coghi,†, Prakhar Agrawal,†, Bharti Rajesh K. Shyamlal, Li Jun Yang, Lalit Yadav, Yuzhong Peng, Richa Sharma, Dharmendra K. Yadav, Dinkar Sahal*, Vincent Kam Wai Wong*, Sandeep Chaudhary*. Design, Synthesis, Structure-Activity Relationship and Docking Studies of Novel Functionalized Arylvinyl-1,2,4-Trioxanes as Potent Antiplasmodial as well as Anticancer Agents. ***ChemMedChem***. 2020 May 11. doi: 10.1002/cmdc.202000045.
105. Na-Na Tao; Zhen-Zhen Zhang; Ji-Hua Ren; Juan Zhang; Yu-Jiao Zhou; Vincent Kam Wai Wong; Betty Yuen Kwan Law; Sheng-Tao Cheng; Hong-Zhong Zhou; Wei-Xian Chen; Hong-Mei Xu; Juan Chen. Overexpression of ubiquitin-conjugating enzyme E2 L3 in hepatocellular carcinoma potentiates apoptosis evasion by inhibiting the GSK3/p65 pathway. ***Cancer Letters***. DOI: 10.1016/j.canlet.2020.03.028
106. Yu Zhong Peng, Li Jun Yang, Hang Hong Lo, Betty Yuen Kwan Law, Vincent Kam Wai Wong*. Tumor Therapeutic Modes (Chapter 7), ebook "New Nanomaterials and Techniques for Tumor-targeted Systems". Editors: Huang, Rongqin, Wang, Yi (Eds.). Publisher: Springer Singapore; ISBN: 978-981-15-5158-1.
107. Zheng Li, Huixia Zhang, Yan Li, Hongwei Chen, Caiyun Wang, Vincent Kam Wai Wong, Zhihong Jiang and Wei Zhang. Phytotherapy using blueberry leaf polyphenols to alleviate non-alcoholic fatty liver disease through improving mitochondrial function and oxidative defense. ***Phytomedicine***. 2020 Mar 18;69:153209. doi: 10.1016/j.phymed.2020.153209.
108. Bin Tang, Hang Hong Lo, W.L.Wendy Hsiao, Cheng Lei, Ka In U, Lu Yu, Vincent Kam Wai Wong* and Betty Yuen Kwan Law*. Adjuvant Herbal Therapy for Targeting Susceptibility Genes to Kawasaki Disease: An Overview of Epidemiology, Pathogenesis, Diagnosis and Pharmacological Treatment of Kawasaki Disease ***Phytomedicine***. https://doi.org/10.1016/j.phymed.2020.153208.
109. Ivan A. Yaremenko‡, Paolo Coghi‡, Parichat Prommana, Congling Qiu, Peter S. Radulov, Yuanqing Qu, Yulia Yu Belyakova, Enrico Zanforlin, Vladimir A. Kokorekin, Yuki Yu Jun Wu, Fabrice Fleury, Chairat Uthaipibull*, Vincent Kam

Wai Wong*, and Alexander O. Terent'ev*. Synthetic peroxides promote apoptosis of cancer cells inhibiting of P-glycoprotein ABCB5. ***ChemMedChem.*: 10.1002/cmdc.202000042, Front Cover**

110. Yun Zhang*, Linlin Guo*, Betty Yuen Kwan Law, Xiaobo Liang, Ning Ma, Guofeng Xu, Xiaoyun Wang, Xiefang Yuan, Hongmei Tang, Qi Chen, Vincent Kam Wai Wong# and Xing Wang#. Resveratrol decreases cell apoptosis through inhibiting DNA damage in bronchial epithelial cells. ***International Journal of Molecular Medicine*** DOI: 10.3892/ijmm.2020.4539
111. Ni Zhang[1], Hui Zhang[1], Betty Yuen Kwan Law[1], Ivo Ricardo De Seabra Rodrigues Dias[1], Cong Ling Qiu[1], Wu Zeng[1], Hu Dan Pan[1], Jin Yun Chen[2], Yan Fu Bai[3], Jing Lv[4], Li Qun Qu[1], Xi Chen[1], Qi Huang[1], Wei Zhang[1], Li Jun Yang[1], Lu Yu[1], Yu Han[1], Guo Xin Huang[1], Hui Miao Wang[1], Xiao Lei Sun[1], Yun Zhang[1], Hu Qiang He[1], Wei Dan Luo[1], Yao Xiao[1], Jian Zhou[5], Ting Xu[2], Qing Chun Huang[6], Min Wu[2], Zhi Sheng Huang[3], Wei Liu[4], Vincent Kam Wai Wong[1]*, Liang Liu[1]*. Sirtuin 5 Deficiency Increases the Severity in Rat with Adjuvant-Induced Arthritis. ***Cellular & Molecular Immunology***. (2020). https://doi.org/10.1038/s41423-020-0380-4
112. Su-Wei Xu[1,7], Betty Yuen Kwan Law[1], Steven Li Qun Qu[1], Sami Hamdoun[1,2], Juan Chen[3], Wei Zhang[1], Jian-Ru Guo[1], An-Guo Wu[4], Simon Wing Fai Mok[1], David Wei Zhang[1], Chenglai Xia[5], Yoshikazu Sugimoto[6], Thomas Efferth[2]*, Liang Liu[1]* and Vincent Kam Wai Wong[1]*. SERCA and P-glycoprotein inhibition and ATP depletion are necessary for celastrol-induced autophagic cell death and collateral sensitivity in multidrug-resistant tumor cells. ***Pharmacological Research.*** 153 (2020) 104660.
113. Jin-Feng Teng, Qi-Bing Mei, Xiao-Gang Zhou, Yong Tang, Wen-Qiao Qiu,Rui Xiong, Rong Pan, Betty Yuen-Kwan Law, Vincent Kam Wai Wong, Chong-Lin Yu. Feng Zhang, Jian-Ming Wu *, Da-Lian Qin *, An-Guo Wu *. Polyphyllin VI Induces Caspase 1-Mediated Pyroptosis via the Induction**,*** ***Cancers* 2020, 12, 193; doi: 10.3390/cancers12010193**.
114. Simon Wing-Fai Mok[#], Vincent Kam-Wai Wong[#], Hang-Hong Lo, Ivo Ricardo de Seabra Rodrigues Dias, Elaine Lai-Han Leung, Betty Yuen-Kwan Law* and Liang Liu*. Natural products-based polypharmacological modulation of the peripheral immune system for the treatment of neuropsychiatric disorders. ***Pharmacology & Therapeutics.*** **https://doi.org/10.1016/j.pharmthera.2020.107480.**

學術書籍

1. Betty Yuen-Kwan Law and **Vincent Kam-Wai Wong*.**

Autophagy in Multidrug-Resistant Cancers, Autophagy in Current Trends in Cellular Physiology and Pathology, Dr. Nikolai Gorbunov (Ed.), InTech, Available from:
http://www.intechopen.com/books/autophagy-in-current-trends-in-cellular-physiology-and-pathology/autophagy-in-multidrug-resistant-cancers
Book chapter in "**Autophagy**" ISBN 978-953-51-4815-9.
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

學術獎項

1. 2013 年度中銀學術研究優秀獎
2. 2014 年度澳門特別行政區科學技術獎自然科學獎二等獎 (團體獎)
獲獎項目：中藥 " 三多" 特徵的創新研究方法及其理論基礎
獲獎者：劉良, 姜志宏, 王靜蓉, 梁麗嫻, 黃錦偉
3. 2015 年度高等學校科學研究優秀成果獎自然科學獎一等獎 (團體獎)
獲獎項目：中醫藥整體治療的網絡調節機理研究
獲獎者：黃錦偉（第 2 完成人）

獎勵等級：自然科學獎一等獎
獎勵日期：2015 年 2 月
證書號：2014-042

4. 2016 年度澳門特別行政區科學技術獎自然科學獎一等獎 (團體獎)
   獲獎項目：類風濕關節炎的發病新機制和治療新途徑
   獲獎者：劉良, 周華, 李婷, 王俊, 黃錦偉
5. 2016 中珠醫療生命科學科研一等獎
6. 2017 中珠醫療生命科學科研一等獎
7. 2018 高等學校科學研究優秀成果獎自然科學獎一等獎 (團體獎)
   獲獎項目：抑制細胞增殖與分化異常的新機制研究
   獲獎者：黃錦偉（第 12 完成人）
   獎勵等級：自然科學獎一等獎
   獎勵日期：2019 年 1 月
   證書號：2018-056

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