

Prof. Vincent Kam Wai Wong



Position : Professor,
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Prof. Vincent Kam Wai Wong received both his B.S. degree (1999) and MPhil degree (2002) from Hong Kong University of Science and Technology. In 2006, he received his Ph.D. Degree from the University of Hong Kong and then worked as post-doctoral research fellow at School of Chinese Medicine in Hong Kong Baptist University for three years. In 2009, he was promoted to research assistant professor (RAP) in the same department and started his own research area. In 2011, he started to be an assistant professor in State Key Laboratory of Macau University of Science and Technology engaging in the research field of anti-inflammation and anti-cancer. In 2015, he achieved the special promotion standard to associate professor. In 2022, he was promoted as full professor. In 2026, Prof. Wong also serves as the Academic Deputy Director at the Macao Association for Higher Education Development.

Prof. Vincent Wong is experienced in cancer molecular biology, chemical biology and structural activity relationship, and IKK- β – NF- κ B signaling. His research focus on relationship between autophagy and multidrug-resistant, apoptosis-resistant anti-tumor effect via SERCA inhibition and AMPK activation. Recently, Prof. Wong deeply interested in the involvement of p53 and P-glycoprotein in drug-resistant phenotype of rheumatoid arthritis. Notably, their research team have recently unraveled the etiology behind the elevated incidence of rheumatoid arthritis in middle-aged and elderly populations and successful published the works in *Nature Communications*. In addition, with the support of Nobel Laureate Laboratory, he has been cooperating with an innovative technology brand “eefit” in Hong Kong to research and develop medical and health products, e.g. eefit essential oil for COVID-19. Furthermore, Prof. Wong has published over 220 peer-reviewed SCI journals including *Nature Communications*, *Autophagy*, *Cellular and Molecular Immunology*, *Angewandte chemie*, *Hepatology*, *Journal of Hepatology*, *Journal of Advanced Research*, *Clinical Cancer Research*, *Organic Letters*, *Cell Death and Disease*, *Cancer Letters*, *British Journal of Pharmacology*, *Pharmacological Research and etc.* He obtained more than 40 US, Australia and China patents with the works related to the discovery of novel IKK-beta inhibitor, novel autophagy enhancer for treatment of MDR cancer and neurodegenerative diseases. Since 2013, Prof. Wong achieved the Bank of China Excellent Research Award, First-class High Institute Natural Science Award in China, and Second and First-class Natural Science Award in Macao. Besides, he is one of the world top 2% scientists announced by Standard University (career-long).

EDUCATION

2002-2006

Ph.D. in The University of Hong Kong

- 1999-2002 **MPhil in The Hong Kong University of Science and Technology**
- 1996-1999 **B.Sc. in The Hong Kong University of Science and Technology**

WORK HISTORY

- 7/2022-present **Macau University of Science and Technology**
Full Professor
Assistant Director
(State Key Laboratory of Quality Research in Chinese Medicine)
Executive Director
(Dr. Neher's Biophysics Laboratory for Innovative Drug Discovery)
Deputy Supervisor
(Center for Omics Technology and Innovative Drug Research)
- 7/2015-6/2022 **Macau University of Science and Technology**
Associate Professor
(State Key Laboratory of Quality Research in Chinese Medicine)
Deputy Supervisor
(Center for Omics Technology and Innovative Drug Research)
- 9/2011-6/2015 **Macau University of Science and Technology**
Assistant Professor
(State Key Laboratory of Quality Research in Chinese Medicine)
Deputy Supervisor
(Center for Omics Technology and Innovative Drug Research)
- 10/2009-8/2011 **Hong Kong Baptist University**
Research Assistant Professor (Centre for Cancer and

Inflammation research, School of Chinese Medicine)

07/2006-10/2009

Hong Kong Baptist University

Post-doctoral-fellow (School of Chinese Medicine)

Selected Publications (Recent 5 years)

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.
13. Baixiong Huang, Jerome P. L. Ng, Linna Wang, Jiujie Yang, Yiting Li, Qin Bo, Wei Zhang, Jing Zhong, Xi Chen, Yuanqing Qu, Dingqi Zhang, 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.* 146 (2025) 157110.
14. Xiaoyun Yun, Liqun Qu, Hanghong Lo, Jianhui Wu, Wu Zeng, Ka In U, Yan Chen, Baoquan Pan, Bin Tang, Wei Zhang, Yuping Wang, Xiongfei Xu, Jie Zhou, Wendy WL Hsiao, **Vincent Kam Wai Wong***, Cheng Lei*, Betty Yuen Kwan Law*. OGG1-driven pathogenesis in Kawasaki disease: Identification and pharmacological regulation of a molecular marker validated in transgenic mice and clinical models. *Pharmacol Res.* 2025 Oct:220:107939.

15. 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.
16. 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.
17. 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.
18. 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.
19. 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 Azaazonides as Promising Antimalarial Agents. *ChemMedChem*. 2025, e202500181.
20. 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)
21. 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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glioblastoma: an integrated analysis of transcriptome and single-cell RNA sequencing. *Journal of Cancer* 2025; 16(7):2145-2166..

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24. 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.
25. 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, Weidan 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.
26. 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.
27. 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.
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29. 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.

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31. Liang Jin†, Jianping Gan†, Xuwei 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.
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33. 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.
34. 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.
35. 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.
36. 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.
37. 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
38. 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.
39. 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.
40. 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.
41. 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>.
42. 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
43. 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.
44. 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.
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47. 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 thionin A (TA) alleviates vascular calcification in type 2 diabetes mellitus. *European Journal of Pharmacology*. 2023 Nov 15:959:176084.
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49. 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.
50. 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.
51. 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.
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53. 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

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54. 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.
55. 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.
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58. 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.
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Book Chapter Publication

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:

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Book chapter in “**Autophagy**” ISBN 978-953-51-4815-9.

2. Simon Wing Fai Mok, Betty Yuen Kwan Law, **Vincent Kam Wai Wong** and Liang Liu*

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InTech, ISBN 978-953-51-6100-4. Accepted on 16-2-2018.

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Chapter 7: Tumor Therapeutic Modes

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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).

Accepted on 2-7-2021

ACADEMIC AWARDS

1. 2013 Bank of China Excellent Research Award Winner
2. 2014 Science and Technology Award of Macao Special Administrative Region-Second-class Natural Science Award

3. 2015 高等學校科學研究優秀成果獎自然科學獎一等獎
4. 2016 Science and Technology Award of Macao Special Administrative Region-
First-class Natural Science Award
5. 2016 Zhongzhu Awards for Life Science Recognizing First Prize in Research
6. 2017 Zhongzhu Awards for Life Science Recognizing First Prize in Service
7. 2018 高等學校科學研究優秀成果獎自然科學獎一等獎
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 Bank of China Excellent Research Award Winner
12. 2025 教育部科學研究優秀成果獎自然科學研究成果獎一等獎