**黄錦偉博士**

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職稱: 副教授

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，中藥品質研究國家重點實驗室，澳門科技大學

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簡介:

黃錦偉博士於2006年在香港大學取得化學博士學位，繼而轉往香港浸會大學中醫藥學院擔任博士後研究一職，並於2009年獲晉升為研究助理教授，致力于抗炎及抗癌研究。2011年9月獲聘任為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，在2015年更破格升職為副教授。

黃錦偉博士的研究範疇主要在腫瘤分子生物學，化學分子生物學與結構活性關係，以及IKK-– NF-B炎症傳遞信號通路等。同時，黃博士也專注於研究細胞自體吞噬與抗癌抗腦神經退化及對抗耐藥耐凋亡等問題，如天然化合物的自噬抗癌抗炎功效，天然小分子SERCA抑制劑及AMPK激活劑的抗耐藥耐凋亡作用，人參總提取物及其單一小分子衍生物的抗癌療效，發現及剖析在IKK-蛋白酶上最新的藥靶點等，並分別於多個國際期刊上發表超過130篇SCI研究文章; 同時亦擔任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二千萬元澳門幣。在現階段，黃博士專注於研究抗癌基因p53及P-糖蛋白(P-gp)導致關節炎耐藥等問題；此外，在諾獎實驗室支持下，與香港新創健康科技品牌eefit依飛共同研發醫療及健康產品， 當中包括抗2019新冠病毒精油等。黃博士亦是25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)。

**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**

2015.7 –今 澳門科技大學中藥品質研究國家重點實驗室副教授

2011.9 –2015.6 澳門科技大學中藥品質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. Paolo Coghia1, Xiao Yun Yunb1, Jerome P. L. Ngb, Maurizio Memoc, Alessandra Gianoncellic Vincent Kam Wai Wongb\* and Giovanni Ribaudoc\*. Exploring SARS-CoV-2 Delta Variant Spike Protein Receptor-Binding Domain (RBD) as a Target for Tanshinones and Antimalarials. ***Natural Product Research.*** Accepted
2. 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
3. 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
4. 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, Wendy Hsiao. Traditional Patchouli Essential Oil modulates the host’s immune responses and gut microbiota and exhibits potent anti-cancer effects in ApcMin/+ mice. ***Pharmacological Research***. 2022 Jan 12;106082.
5. 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.
6. 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
7. 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.
8. 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.
9. 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.
10. 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.**
11. 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**
12. 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
13. 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
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17. 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.***
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28. 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.
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43. 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**
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