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β NF- κ B signaling

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EDUCATION

2002-2006 **The University of Hong Kong**
1999-2002 **The Hong Kong University of Science and Technology**
1996-1999 **The Hong Kong University of Science and Technology**

WORK HISTORY

7/2015-present **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. Yun Zhang

Vincent Kam Wai Wong*, Yuying Li* and Jun Deng*.

2.

3. 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. *European Journal of Medicinal Chemistry*. Volume 224, 15 November 2021, 113676.

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11. 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*. Accepted**

12. 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***. Accepted
13. 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.

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doi: 10.3390/cancers12010193.

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✉, Jianping Zhang ✉,
✉, and Zhihong Jiang ✉.

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57. Guan-Jun Yang, Wanhe Wang, Simon Wing Fai Mok, Chun Wu, Betty Yuen Kwan Law, Xiang-Min Miao, Ke-Jia Wu, Hai-Jing Zhong, Chun-Yuen Wong, **Vincent Kam Wai Wong***, Dik-Lung Ma,* and Chung-Hang Leung*. Selective inhibition of lysine-specific demethylase 5A (KDM5A) using a rhodium(III) complex for triple-negative breast cancer therapy. *Angewandte Chemie International Edition*. 2018 Jul 1. doi: 10.1002/anie.201807305.
58. Wenjing Yu,* Yuancai Xiang,* Guosong Luo, Xiaofang Zhao, Bin Xiao, Ying Cheng, Chunhong Feng, Chunyan Duan, Xianming Xia, **Vincent Kam Wai Wong#** and Rongyang Dai#. Salubrinal Enhances Doxorubicin Sensitivity in Human Cholangiocarcinoma Cells Through Promoting DNA Damage. *Cancer Biotherapy and Radiopharmaceuticals*. 2018 Jun 29. doi: 10.1089/cbr.2018.2447.
59. Simon Wing Fai Mok, Wu Zeng, Yuzhen Niu, Paolo Coghi, Yujun Wu, Wai Man Sin, Sio Ian Ng, Flora Gordillo-Martinez, Jia Ying Gao, Betty Yuen Kwan Law, Liang Liu* , Xiao Jun Yao* and **Vincent Kam Wai Wong***. A Method for Rapid Screening of Anilide-containing AMPK Modulators Based on Computational Docking and Biological Validation. *Frontiers in Pharmacology*. 2018, 12 June doi: 10.3389/fphar.2018.00710
60. Ren JH, Hu JL, Cheng ST, Yu HB, **Wong VKW**, Law BYK, Yang YF, Huang Y, Liu Y, Chen WX, Cai XF, Tang H, Hu Y, Zhang WL, Liu X, Long QX, Zhou L, Tao NN, Zhou HZ, Yang QX, Ren F, He L, Gong R, Huang AL, Chen J. SIRT3 restricts HBV transcription and replication via epigenetic regulation of cccDNA involving SUV39H1 and SETD1A histone methyltransferases. *Hepatology*. 2018 Apr 6. doi: 10.1002/hep.29912.

61. Simon Wing Fai Mok, Betty Yuen Kwan Law, **Vincent Kam Wai Wong*** and Liang Liu* (2018). 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.**
62. Paolo Coghi§, Ivan A. Yaremenko§, Parichat Prommana§, Peter S. Radulov, Mikhail A. Syroeshkin, Yu Jun Wu, Jia Ying Gao, Floria M. Gordillo, Simon Mok, **Vincent Kam Wai Wong***,
Novel peroxides as promising anticancer agents with unexpected depressed antimalarial activity. *ChemMedChem*. 2018 May 8;13(9):902-908.
63. Yuan Qing Qu*, Flora Gordillo-Martinez*, Betty Yuen Kwan Law, Yu Han, Anguo Wu, Wu Zeng, Simon Wing Fai Mok, **Vincent Kam Wai Wong***, Renxiao Wang*. 2-aminoethoxydiphenylborane (2-APB) suppresses bortezomib (BZM)-induced protective autophagy and sensitizes the anti-tumor effect of BZM *in vivo*. *Cell death & Disease*. 2018 9:361 DOI 10.1038/s41419-018-0397-0
64. Elaine Lai Han Leung^{1#}, Lian Xiang Luo^{1#}, Zhong Qiu Liu, **Vincent Kam Wai Wong**, Lin Lin Lu, Ying Xie, Ni Zhang, Yuan Qing Qu, Xing Xing Fan, Ying Li, Min Huang, Dai Kai Xiao, Jun Huang, Yan Ling Zhou, Jian Xing He, Jian Ding, Xiao Jun Yao*, David C. Ward*, and Liang Liu*. Inhibition of KRAS-dependent lung cancer cell growth by deltarasin: blockage of autophagy increases its cytotoxicity. *Cell death & Disease*. 9, Article number: 216 (2018) doi:10.1038/s41419-017-0065-9.
65. Ivo Ricardo de Seabra Rodrigues Dias#, Simon Wing Fai Mok#, Flora Gordillo Martínez, Imran Khan, Wendy Wen Luen Hsiao, Betty Yuen Kwan Law, **Vincent Kam Wai Wong*** and Liang Liu*. The calcium-induced regulation in the molecular and transcriptional circuitry of human inflammatory response and autoimmunity. *Frontiers in Pharmacology*. 2018 Jan 8;8:962. doi: 10.3389/fphar.2017.00962.
66. Jianru Guo, Zheng Li, Caiyun Wang, Christopher Lam, Qianqian Chen, Weijia Zhang, **Vincent Kam Wai Wong**, Meicun Yao and Wei Zhang. Profiling of ribonucleotides and deoxyribonucleotides pools in response to DNA damage and repair induced by methyl methanesulfonate in cancer and normal cells. *Oncotarget*. 2017 Oct 4;8(60):101707-101719.
67. Xiao Lei Sun, Betty Yuen Kwan Law, Ivo Ricardo de Seabra Rodrigues Dias, Simon Wing Fai Mok, Yan-zheng He*, **Vincent Kam-Wai Wong***. Pathogenesis of thromboangiitis obliterans: Gene polymorphism and immunoregulation of human vascular endothelial cells. *Atherosclerosis* 2017 Aug 18. pii: S0021-9150(17)31231-5. doi: 10.1016

68. Hideaki Tsuyoshi, Vincent Kam Wai Wong, Yu Han, Makoto Orisaka, Yoshio Yoshida, Benjamin K. Tsang. Saikosaponin-d, a Calcium Mobilizing Agent, Sensitizes Chemoresistant Ovarian Cancer Cells to Cisplatin-induced Apoptosis by Facilitating Mitochondrial Fission and G2/M Arrest. *Oncotarget*. September 2017; DOI: 10.18632/oncotarget.21076
69. Betty Yuen Kwan Law#, Yuan Qing Qu#, Simon Wing Fai Mok, Hauwei Liu, Zeng Wu, Yu Han, Flora Gordillo-Martinez, Wai-Kit Chan, Keith Man-Chung Wong*, Vincent Kam Wai Wong*. New perspectives of cobalt tris(bipyridine) system: Anti-cancer effect and its collateral sensitivity towards multidrug-resistant (MDR) cancers. *Oncotarget*. 2017 Jul 5. doi: 10.18632/oncotarget.18991.)
70. Betty Yuen Kwan Law#, Simon Wing Fai Mok#, Juan Chen, Francesco Michelangeli, Zhi-Hong Jiang, Yu Han, Yuan Qing Qu, Alena Cong Ling Qiu, Su-Wei Xu, Wei-Wei Xue, Xiao-Jun Yao, Jia Ying Gao, Masood-ul-Hassan Javed, Paolo Coghi, Liang Liu* and Vincent Kam Wai Wong*. N-desmethyldauricine induces autophagic cell death in apoptosis-defective cells via Ca²⁺ mobilization. *Frontiers in Pharmacology*. 2017 Jun 16;8:388. doi: 10.3389/fphar.2017.00388.
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72. Onat Kadioglu, Betty Yuen Kwan Law, Simon Wing Fai Mok, Su-Wei Xu, Thomas Efferth*, Vincent Kam Wai Wong*. Mode of action analyses of neferine, a bisbenzylisoquinoline alkaloid of Lotus (*Nelumbo nucifera*) against multidrug-resistant tumor cells. *Frontiers in Pharmacology* 2017 May 5;8:238. doi: 10.3389/fphar.2017.00238.
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75. Betty Yuen Kwan Law, Flora Gordillo-Martínez, Yuan Qing Qu, Ni Zhang, Su Wei Xu, Paolo Saul Coghi, Simon Wing Fai Mok, Jianru Guo, Wei Zhang, Elaine Lai Han Leung, Xing Xing Fan, An Guo Wu, Wai Kit Chan, Xiao Jun Yao, Jing Rong Wang, Liang Liu* and Vincent Kam Wai Wong*. Thalidezine, A Novel AMPK

- Activator, Eliminates Apoptosis-resistant Cancer Cells Through Energy-mediated Autophagic Cell Death. *Oncotarget*. 2017 May 2;8(18):30077-30091.
76. An-Guo Wu*, Wu Zeng*, **Vincent Kam-Wai Wong**, Yi-Zhun Zhu, Amy C.Y. Lo, Liang Liu and Betty Yuen-
-hederin promote degradation of proteins in neurodegenerative diseases and improve motor deficits in MPTP-mice. *Pharmacological Research*. Volume 115, January 2017, Pages 25-44
77. Betty Law Yuen Kwan and **Vincent Wong Kam Wai*** (2016). 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>
78. **Vincent Kam-Wai Wong**[#], Betty Yuen-Kwan Law[#], Xiao-Jun Yao, Xi Chen, Su Wei Xu, Liang Liu* and Elaine Lai-Han Leung*. Advanced research technology for discovery of new effective compounds from Chinese herbal medicine and their molecular targets. *Pharmacological Research*. 2016 Sep;111:546-555.
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80. Betty Yuen Kwan Law, Simon Wing Fai Mok, An Guo Wu, Christopher Wai Kei Lam, Margaret Sum Yee Yu, **Vincent Kam Wai Wong***. New Potential Pharmacological Functions of Chinese Herbal Medicines via Regulation of Autophagy. *Molecules*. 2016 Mar 17;21(3). pii: E359. doi: 10.3390/molecules21030359.
81. Klionsky DJ,, .Betty Yuen Kwan Law, Liang Liu, **Vincent Kam Wai Wong**, *et al*. Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*. 2016 Jan 2;12(1):1-222.
82. Betty Yuen Kwan Law, Simon Wing Fai Mok, Wai Kit Chan, Su Wei Xu, An Guo Wu, Xiao Jun Yao, Jing Rong Wang, Liang Liu* and **Vincent Kam Wai Wong*** Hernandezine, a Novel AMPK Activator Induces Autophagic Cell Death in Drug-resistant Cancers. *Oncotarget*. 2016 Feb 16;7(7):8090-104.
83. **Vincent Kam Wai Wong**[#], Hang Dong[#], Xu Liang[#], Li Ping Bai, Zhi-Hong Jiang, Yue Guo, Tony A.-N Kong, Rui Wang, Richard Kin Ting Kam, Betty Yuen Kwan Law, Wendy Wen Luen Hsiao, Ka Man Chan, Jingrong Wang, Rick Wai Kit Chan, Jianru Guo, Wei Zhang, Feng Gen Yen, Hua Zhou, Elaine, Lai Han Leung, Zhiling Yu, Liang Liu*. Rh2E2, a Novel Metabolic Modulator, Specifically Suppresses

Tumor Cell Growth by Inhibiting Energy-based Metabolism. *Oncotarget*. 2016 Jan 18. doi: 10.18632/oncotarget.6934. (# Authors with equal contribution).

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>

Autophagy ISBN 978-953-51-4815-9.

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

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).

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
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