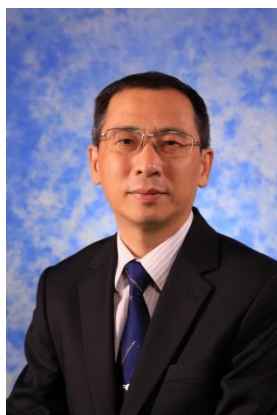


## Jiang Zhi-Hong



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Director, State Key Laboratory of Mechanism and Quality of Chinese Medicine  
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**Professor Jiang** obtained the Bachelor and Master degrees from China Pharmaceutical University in 1987 and 1990, respectively. He earned his PhD degree from Nagasaki University, Japan in 1998. After postdoctoral training in Department of Biological Chemistry and Molecular Pharmacology, Harvard Medical School, USA from 1999-2001, he joined School of Chinese Medicine, Hong Kong Baptist University in 2001 as an assistant professor, and was promoted to be an associate professor in 2005 and full professor in 2008. He was Associate Director of Teaching Division and Director of Master Program of Pharmaceutical Sciences in Chinese Medicine. In July 2011, he became the Dean of the Macau Institute of Pharmaceutical and Health Applications, and Deputy Director of State Key Laboratory for Quality Research in Chinese Medicines (Macau University of Science and Technology). In March 2016, he was appointed as the Vice President of Macau University of Science and Technology. Since March 2022, he has also served as the Director of State Key Laboratory of Mechanism and Quality of Chinese Medicine, and Director of National Innovation Center for Molecular Medicine since December 2024.

Professor Jiang is an internationally-renowned scientist in natural products chemistry. His research areas include natural medicinal chemistry, metabolomics, Chinese medicine quality standards, and RNA Chemical Biology. In order to advance the modernization of Chinese medicine, Professor Jiang has been dedicated to using modern spectroscopic and chromatographic, chemical biology, and metabolomic research techniques to elucidate the active components and mechanisms of action of Chinese medicine, achieving remarkable results. To date, Professor Jiang has published over 420 SCI papers in international academic journals such as *Nucleic Acids Research*, *Nature Communications*, *JACS*, *Analytical Chemistry*, and *Organic Letters*, with more than 16,000 citations and an H-index of 70 (Google Scholar, 2026).

Professor Jiang was awarded as the Young Distinguished Scholars by National Natural Science Foundation of China (Overseas) in 2007, and was appointed as Chair Professor of the Changjiang Scholars Programme by the Ministry of Education of China in 2014. In 2022, Prof. Jiang was elected as a member of Chinese Pharmacopoeia Commission. In 2024, he was selected for the 2024 Qihuang Scholar Training Program. His research grants were financially supported by the Macau Science and Technology Development Fund (FDCT), Hong Kong Research Grants Council, Department of Health of HKSAR, National Natural Science Foundation of China and National Institutes of Health (NIH) of U.S.A. In addition, Prof. Jiang also serves in multiple social service positions, including President of the Cross-Strait Scientific Collaboration Center for Chinese Medicine, Vice President of the Macao Science and Technology Council, Committee Member of Science and Technology Committee of Macao SAR Government, Member of the Task Force under the Talent Development Committee of Macao SAR Government and Vice Chairman of Macao Higher Education Development Promotion Association.

### ***Teaching and Research Areas***

Teaching subjects: Advanced Natural Products Chemistry, Prospect and Progress in Chinese Medicine Research

Research Areas: Natural Products Chemistry, Metabolomics, RNA Chemical Biology, Chemical Analysis of Chinese Herbs

### ***Academic Qualifications***

1998.3	Ph.D, Nagasaki University, Japan
1990.7	M. Sc., China Pharmaceutical University, Nanjing, China
1987.7	B. Sc., China Pharmaceutical University, Nanjing, China

### ***Teaching Experience***

2015.9 - Present	Chair Professor, Macau University of Science and Technology
2011.7- 2015.8	Professor, Macau University of Science and Technology
2008.9 - 2011.6	Professor, School of Chinese Medicine, Hong Kong Baptist University
2005.7 - 2008.8	Associate Professor, School of Chinese Medicine, Hong Kong Baptist University
2001.10 - 2005.6	Assistant Professor, School of Chinese Medicine, Hong Kong Baptist University
1999.11 - 2001.9	(Sabbatical leave) Postdoctoral Research Fellow, Department of Biological Chemistry and Molecular Pharmacology, Harvard Medical School, U.S.A
1996.10 - 2001.9	Research Assistant Professor, School of Pharmaceutical Sciences, Nagasaki University, Japan
1990.7 - 1994.3	Research Associate, Lecturer, China Pharmaceutical University, Nanjing, China

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10. Zi-Jun Shao, Yue Wang, Cai-Yun Wang, Guo-Yuan Zhu, Li-Ping Bai, Zheng-Ming Qian, **Zhi-Hong Jiang\***, Wei Zhang\*. "Chitosan-modified magnetic graphene oxide nanoassembly: a dual-functional platform for targeted protein adsorption and natural bioactive ingredient screening." *Bioorganic Chemistry* (2025): 108787.
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based on a screen-printed carbon electrode modified with carbon-encapsulated Fe<sub>3</sub>O<sub>4</sub>." *Talanta* (2025): 128584.

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- Chitin Hon, **Zhi-Hong Jiang\***, Guo-Yuan Zhu\*. "Atrachinenins D–S, novel meroterpenoids with geranyl hydroquinone moiety from *Atractylodes chinensis* by the LC/MS-based molecular decoy and targeted isolation." *Bioorganic Chemistry* 144 (2024): 107111.
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42. Fei Ren, Kai-Yue Cao, Rui-Ze Gong, Meng-Lan Yu, Peng Tao, Yi Xiao, **Zhi-Hong Jiang\***. "The role of post-transcriptional modification on a new tRNA<sup>Ala</sup> (GAU) identified from *Ganoderma lucidum* in its fragments' cytotoxicity on cancer cells." *International Journal of Biological Macromolecules* 229 (2023): 885-895.
43. Hui-Xia Zhang, Jian-Feng Qin, Jian-Feng Sun, Yu Pan, Tong-Meng Yan, Cai-Yun Wang, Li-Ping Bai, Guo-Yuan Zhu, **Zhi-Hong Jiang\***, Wei Zhang\*. "Selective Chemical Labeling Strategy for Oligonucleotides Determination: A First Application to Full-Range Profiling of Transfer RNA Modifications." *Analytical Chemistry* 95.2 (2023): 686-694.
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45. Tianpeng Yin, Yi Yu, Qinghua Liu, Guoyuan Zhu, Liping Bai, Wei Zhang\*, **Zhihong Jiang\***. "<sup>13</sup>C-NMR-based MixONat strategy coupled with 2D NMR for rapid dereplication and identification of new secondary metabolites from *Aloe vera*."

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