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Professor Lu is Professor, Macau University of Science and Technology and a PhD supervisor in Pharmacology of Chinese Materia Medica. She has been recognized as one of the “Top Ten Science and Technology Stars of Chinese Medicine” and is a leading talent in Traditional Chinese Medicine (TCM) in Jiangsu Province, as well as the head of an Outstanding Scientific Innovation Team in Jiangsu Province. She is also an Honorary Professor at the University of Galway, Ireland. Professor Lu has served multiple times as an expert reviewer for the National Natural Science Foundation of China (NSFC). Professor Lu currently serves as a Council Member of the Chinese Pharmaceutical Association; Vice Chair of the Specialized Committee on TCM Oncology Drugs and Clinical Research of the Chinese Pharmaceutical Association; Vice Chair of the Toxicology and Safety Evaluation Branch of the China Association of Chinese Medicine; and Chair of the Biomedical Professional Committee of the Jiangsu Association of Women Scientists and Technologists. She previously served as Chair of the Professional Committee on Pharmacology of Chinese Materia Medica, Jiangsu Pharmacological Society.

Professor Lu is the chief editor of the National Health Commission–planned undergraduate textbooks *Pharmacology of Chinese Materia Medica* (“12th Five-Year”, “13th Five-Year”, and “14th Five-Year” plans), the graduate-level textbook *Special Topics in Pharmacology of Chinese Materia Medica* (Science Press), and the monograph *Methods and Techniques in Angiogenesis Research* (People’s Medical Publishing House). Under her supervision, students have received

one Nomination Award for the National Outstanding Doctoral Dissertation in TCM, one Jiangsu Provincial Outstanding Doctoral Dissertation Award, and five Jiangsu Provincial Outstanding Master's Dissertation Awards.

Professor Lu has led one key international collaborative project jointly funded by the U.S. National Institutes of Health (NIH) and the National Natural Science Foundation of China, as well as six NSFC General Program projects with consecutive funding. She has published more than 300 research articles in high-impact journals, including *Cell Host & Microbe* (cover article), *Molecular Therapy*, *Acta Pharmaceutica Sinica B*, *Journal of Advanced Research*, and *Theranostics*, among which over 220 are indexed by SCI. Her honors include one Second Prize and two Third Prizes of the Jiangsu Provincial Science and Technology Progress Award, and one Huaxia Medical Science and Technology Progress Award. Professor Lu has led more than 30 projects on the development of Chinese medicinal products, obtained five clinical approvals, two new drug certificates, eight authorized invention patents, and achieved two technology transfer outcomes.

Teaching and Research Areas

Teaching subjects: Pharmacology of Chinese Materia Medica

Research Areas: Antitumor effects of Chinese medicine

Academic Qualifications

2001.07 PhD, Nanjing University of Chinese Medicine

1983.07 Bachelor's Degree, Nanjing University of Chinese Medicine

Teaching Experience

2004.07–Present Professor, Nanjing University of Chinese Medicine

2005.09–2006.07 Senior Visiting Scholar, Harvard Medical School

2001.09–2004.03 Postdoctoral Fellow, Nanjing University

1998.08–2004.07 Associate Professor, Nanjing University of Chinese Medicine

1990.09–1998.07 Lecturer, Nanjing University of Chinese Medicine

1983.08–1990.09 Teaching Assistant, Nanjing University of Chinese Medicine

Papers published in the past five years (2022-2026)

- [1] Yehua Pan, Gangfan Zong, Mingyuan Liu, Zemin Wang, Hongzheng Zhu, Zhonghong Wei*, Yunlong Shan*, **Yin Lu***. “Restoring gut microbiota homeostasis to ameliorate colitis via Huangqin decoction” *Phytomedicine* 153 (2026): 157929.
- [2] Hongzheng Zhu, Mingyuan Liu, Zemin Wang, Ting Mao, Yuanyuan Wu, Zhonghong Wei, Xiaoman Li*, **Yin Lu***. “Self-assembly of plant-derived bioactive nanostructures in traditional Chinese medicine.” *iScience* 29.2 (2026): 114667.
- [3] Keqin Lu, Yawen Xia, Peng Cheng, Yanan Li, Liang He, Li Tao, Zhonghong Wei*, **Yin Lu***. “Synergistic potentiation of the anti-metastatic effect of a Ginseng-Salvia miltiorrhiza herbal pair and its biological ingredients via the suppression of CD62E-dependent neutrophil infiltration and NET formation.” *Journal of Advanced Research* 75 (2025): 739-753.
- [4] Mengying Zhang, Zhonghong Wei, Bin Wei, Changjie Lai, Gangfan Zong, Enxiang Tao, Minmin Fan, Yehua Pan, Bingyan Zhou, Luping Shen, Jingjing Wu, Qingqing Wang, Ying Peng, Le Zhen, Yunhao Wu, **Yin Lu***, Guangji Wang*, Fang Zhou*, Yunlong Shan*. “Microbiota-derived urocanic acid triggered by tyrosine kinase inhibitors potentiates cancer immunotherapy efficacy.” *Cell Host Microbe* 33.6 (2025): 915-931.
- [5] Jueyao Zou, Junfeng Shi, Qiong Chen, Ziyang Zhu, Tongyao Hu, Zhengyu Zhang, Zhiqiang Pan, Fei Xu, Yong Zhu, Yuanyuan Wu, Yang Zhao, Aiyun Wang, **Yin Lu***, Yanhong Pan*, Wenxing Chen*. “Hirudin suppresses hematogenous metastasis by targeting desmosome junction transition in circulating tumor cell clusters via HIF-1 α -DSG2 signaling.” *Experimental & Molecular Medicine* 57.12 (2025): 2798-2815.
- [6] Xin Luo, Ting Mao, Xi Wang, Peng Cheng, Mingyuan Liu, Ruizhi Tao, Feihui Wang, Lizhi Zhao, Yunlong Shan*, **Yin Lu***, Zhonghong Wei*. “Synergistic effects of ferulic acid and wogonin on cholestatic liver injury via gut microbiota modulation.” *NPJ Biofilms Microbiomes* 11.1 (2025): 231.
- [7] Xin Luo, Peng Cheng, Yuan Fang, Feihui Wang, Ting Mao, Yunlong Shan*, **Yin Lu***, Zhonghong Wei*. “Yinzhihuang formula modulates the microbe–gut–liver axis and bile acid excretion to attenuate cholestatic liver injury.” *Phytomedicine* 139 (2025): 156495
- [8] Gangfan Zong, Rui Deng, Yehua Pan, Mingyuan Liu, Hongzheng Zhu, Ruizhi Tao,

- Yunlong Shan, Zhonghong Wei*, Yin Lu*. "Ginseng polysaccharides ameliorate colorectal tumorigenesis through Lachnospiraceae-mediated immune modulation." *International Journal of Biological Macromolecules* 307 (2025): 142015.
- [9] Rui Deng, Gangfan Zong, Xi Wang, Bingjie Yue, Peng Cheng, Ruizhi Tao , Xiaoman Li, Zhonghong Wei*, Yin Lu*. "Promises of natural products as clinical applications for cancer." *BBA-Reviews on Cancer* 1880.1 (2025): 189241.
- [10] Mingxi Zhu, Yuan Fang, Ying Huang, Wenshi Qiu, Ling Ning, Yanan Li, Chengwei Zhu, Xiaoxiong Song, Yuanyuan Wu, Wei Zou*, Aiyun Wang*, Yin Lu*. "Transcriptomics sequencing reveals Qu-shi-yu-fa Decoction promotes hair cycle and keratinization by upregulating FOXN1 and TGM3 to treat androgenetic alopecia." *Phytomedicine* 143 (2025): 156837.
- [11] Xuan Jiang, Manli Wang, Guoliang Cui, Yuanyuan Wu, Zhonghong Wei, Suyun Yu, Aiyun Wang, Wei Zou, Yanhong Pan, Xiaoman Li*, Yin Lu*. "Tetramethylpyrazine attenuates the cancer stem cell like-properties and doxorubicin resistance by targeting HMGR in breast cancer. " *Phytomedicine* 136 (2025) Jan: 156344.
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- [13] Cheng Qian, Ying Huang, Shan Zhang, Chunmei Yang, Weiwei Zheng, Weiwei Tang, Guiping Wan, Aiyun Wang*, Yin Lu*, Yang Zhao*. "Integrated identification and mechanism exploration of bioactive ingredients from *Salvia miltiorrhiza* to induce vascular normalization." *Phytomedicine* 138 (2025): 156427.
- [14] Yanhong Pan*, Jueyao Zou, Tongyao Hu, Ziyang Zhu, Zhengyu Zhang, Wenxing Chen*, Yin Lu*. "Psoriasis: A Multidimensional Review of Onset, Progression, Treatment, and the Evolution of Disease Models." *Molecular Diagnosis & Therapy* 29.3 (2025): 345-366.
- [15] Yanhong Pan, Ziyang Zhu, Yunxuan Zhu, Tongyao Hu, Zhengyu Zhang, Hui Fan, Suyun Yu, Zhonghong Wei, Aiyun Wang, Yin Lu*, Wenxing Chen*. p38 inhibition restores chemosensitivity of tumor cells by disrupting oligomerized breast cancer resistance protein membrane trafficking. *iScience* 29.1 (2025): 114359.
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cerebral cavernous malformations." *Angiogenesis* 28.4 (2025): 53.

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