



范艳玲博士

特聘研究员

● **教育和工作背景:**

2010/9—2014/6, 滨州医学院, 生物技术专业, 医学学士;

2014/9—2019/6, 天津医科大学, 肿瘤学专业, 理学博士;

2019/7—2025/8, 中国科学院北京基因组研究所(国家生物信息中心), 计算生物学部, 助理研究员;

2025/8—2026/5, 中国科学院北京基因组研究所(国家生物信息中心), 计算生物学部, 副研究员;

2026/5—至今, 南昌大学基础医学院, 特聘研究员、博士生导师。

● **研究兴趣、领域:**

围绕心血管系统的衰老和相关退行性疾病, 利用人干细胞、灵长类动物模型、单细胞测序和多层次组学等技术, 系统解析灵长类心血管系统衰老的分子机制, 发展延缓心血管衰老的干预措施。以第一(含共同)作者在 *Cell*、*Nature Cardiovascular Research*、*Nature Cell Biology*、*Cell Research*、*Developmental cell*、*Med*、*Immunity*、*Protein & Cell*、*Cell Death & Disease*、*Breast Cancer Research* 等学术期刊发表多篇高水平研究论文。

● **学术兼职:**

中国老年医学学会分支机构名称: 基础与转化医学分会

● **主要成果、荣誉、奖励(代表性即可, 原则上不超过 10 项):**

1. Yanling Fan[#] (范艳玲, 共同第一作者[#]), Yandong Zheng[#], Yiyuan Zhang[#], Gang Xu[#], Chun Liu[#], Jianli Hu, Qianzhao, Shuo Zhang, Shuaiqi Fang, Jinghui Lei, Lan-Zhu Li, Xing Wang, Xi Xu, Cui Wang, Si Wang, Shuai Ma, Moshi Song, Wenjian Jiang, Junming Zhu, Yijia Feng, Jiangang Wang, Ying Yang, Guodong Zhu, Xiao-Li Tian, Hongjia Zhang, Weihong Song, Jiayin Yang, Yan Yao*, Guang-Hui Liu*, Jing Qu*, Weiqi Zhang*. ARID5A Orchestrates Cardiac Aging and Inflammation through MAVS mRNA Stabilization. *Nature Cardiovascular Research*, 2025;4(5):602-623.

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2. Yingjie Ding[#], Yuesheng Zuo[#], Bin Zhang[#], **Yanling Fan[#] (范艳玲, 共同第一作者[#])**, Gang Xu[#], Zhongyi Cheng[#], Shuai Ma[#], Shuaiqi Fang[#], Ao Tian, DanDan Gao, Xi Xu, Qiaoran Wang, Yaobin Jing, Mengmeng Jiang, Muzhao Xiong, Jiaming Li, Zichu Han, Shuhui Sun, Si Wang, Fuchu He, Jiayin Yang*, Jing Qu*, Weiqi Zhang*, Guang-Hui Liu*. Comprehensive human proteome profiles across a 50-year lifespan reveal aging trajectories and signatures. *Cell*, S0092-8674(25)00749-4.
 3. Jiale Ping[#], Qin Qiao[#], Dan-Dan Gao[#], Yun Li[#], **Yanling Fan[#] (范艳玲, 共同第一作者[#])**, Yutong Tian[#], Muzhao Xiong[#], Quan Zheng[#], Beier Jiang[#], Jiaming Li, Zheng Huang, Qinxin Tu, Zikai Zheng, Xiaoyong Lu, Yiwen Hu, Yangqing Xu, Xiaoyan Sun, Qiaoran Wang, Liu-Jun Xu, Si-Jia Chen, Qi Wu, Lixiao Liu, Yuesheng Zuo, Shuhui Song, Si Wang, Shuai Ma, Jin-Lin Ye, Cheng-Shui Chen, Jing Qu, Yun-Gui Yang, Lan Jiang, Feng Zhang*, Guang-Hui Liu*, Weiqi Zhang*. Human immune aging clock identifies RUNX1 as a decelerator of T cell senescence. *Immunity*, 2026;59(4):1039-1057.e11.
 4. Si Wang[#], Xiaohong Yao[#], Shuai Ma[#], Yifang Ping[#], **Yanling Fan[#] (范艳玲, 共同第一作者[#])**, Shuhui Sun[#], Zhicheng He[#], Yu Shi[#], Liang Sun[#], Shiqi Xiao[#], Moshi Song[#], Jun Cai, Jiaming Li, Rui Tang, Liyun Zhao, Chaofu Wang, Qiaoran Wang, Lei Zhao, Huifang Hu, Xindong Liu, Jing Qu*, Weiqi Zhang*, Guang-Hui Liu*, Xiu-Wu Bian*. A single-cell transcriptomic landscape of the lungs of patients with COVID-19. *Nature Cell Biology*, 2021. 23(12): p. 1314-1328.
 5. Shuai Ma[#], Shuhui Sun[#], Jiaming Li[#], **Yanling Fan[#] (范艳玲, 共同第一作者[#])**, Jing Qu[#], Liang Sun[#], Si Wang, Yiyuan Zhang, Shanshan Yang, Zunpeng Liu, Zeming Wu, Sheng Zhang, Qiaoran Wang, Aihua Zheng, Shuguang Duo, Yang Yu, Juan Carlos Izpisua Belmonte, Piu Chan, Qi Zhou, Moshi Song*, Weiqi Zhang*, Guang-Hui Liu*. Single-Cell Transcriptomic Atlas of Primate Cardiopulmonary Aging. *Cell Research*, 2020, 1(1): 1-18.
 6. Xiaoyan Sun[#], Shanshan Che[#], Hengchao Wang[#], **Yanling Fan[#] (范艳玲, 共同第一作者[#])**, Yingjie Ding, Ansheng Tan, Kuan Yang, Jianli Hu, Yixin Zhang, Miyang Ma, Jinghao Hu, Shuhui Sun, Shuai Ma, Si Wang, Juan Carlos Izpisua Belmonte, Jing Qu*, Weiqi Zhang*, Guang-Hui Liu*. Vascular organoid model of Hutchinson-Gilford progeria syndrome uncovers repression of the SRF pathway in premature aging. *Developmental cell*, 2025. S1534-5807(25)00690-2.

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7. Yun Li[#], Zheng Huang[#], Lubin Xu[#], **Yanling Fan[#] (范艳玲, 共同第一作者[#])**, Jun Ping[#], Guochao Li, Yanjie Chen, Chengwei Yu, Qifei Wang, Turun Song, Tao Lin, Mengmeng Liu, Yangqing Xu, Na Ai, Xini Meng, Qin Qiao, Hongbin Ji, Zhen Qin, Shuo Jin, Nan Jiang, Minxian Wang, Shaokun Shu*, Feng Zhang*, Weiqi Zhang*, Guang-Hui Liu*, Limeng Chen*, Lan Jiang*. UDA-seq: universal droplet microfluidics-based combinatorial indexing for massive-scale multimodal single-cell sequencing. *Nature Methods*. 2025 Jun;22(6):1199-1212.
 8. Jiaming Li[#], Muzhao Xiong[#], Xiang-Hong Fu[#], **Yanling Fan[#] (范艳玲, 共同第一作者[#])**, Chen Dong[#], Xiaoyan Sun, Fang Zheng, Si-Wei Wang, Lixiao Liu, Ming Xu, Cui Wang, Jiale Ping, Shanshan Che, Qiaoran Wang, Kuan Yang, Yuesheng Zuo, Xiaoyong Lu, Zikai Zheng, Tian Lan, Si Wang, Shuai Ma, Shuhui Sun, Bin Zhang, Chen-Shui Chen, Ke-Yun Cheng, Jinlin Ye, Jing Qu, Yongbiao Xue, Yun-Gui Yang*, Feng Zhang*, Weiqi Zhang*, Guang-Hui Liu*. Determining a multimodal aging clock in a cohort of Chinese women. *Med*. 2023, S2666-6340(23)00197-6.
 9. Fang Wang[#], Weiqi Zhang[#], Qiaoyan Yang[#], Yu Kang[#], **Yanling Fan[#] (范艳玲, 共同第一作者[#])**, Jingkuan Wei, Zunpeng Liu, Shaoxing Dai, Hao Li, Zifan Li, Lizhu Xu, Chu Chu, Jing Qu, Chenyang Si, Weizhi Ji*, Guang-Hui Liu*, Chengzu Long*, Yuyu Niu*. Generation of a Hutchinson-Gilford progeria syndrome monkey model by base editing. *Protein & Cell*, 2020, 11(11), 809–824. (Cover story)
 10. Xiaoqian Liu[#], Zunpeng Liu[#], Zeming Wu[#], Jie Ren, **Yanling Fan (范艳玲)**, Liang Sun, Gang Cao, Yuyu Niu, Baohu Zhang, Qianzhao Ji, Xiaoyu Jiang, Cui Wang, Qiaoran Wang, Zhejun Ji, Lanzhu Li, Concepcion Rodriguez Esteban, Kaowen Yan, Wei Li, Yusheng Cai, Si Wang, Aihua Zheng, Yong E Zhang, Shengjun Tan, Yingao Cai, Moshi Song, Falong Lu, Fuchou Tang, Weizhi Ji, Qi Zhou, Juan Carlos Izpisua Belmonte*, Weiqi Zhang*, Jing Qu*, Guang-Hui Liu*. Resurrection of endogenous retroviruses during aging reinforces senescence. *Cell*, 2023, 186(2), 287–304.e26.

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