



## 人才队伍

动物血吸虫病团队

动物原虫病团队

猪病毒性繁殖障碍综合症团队

猪呼吸道传染病团队

水禽病毒病团队

动物抗感染药物团队

畜禽细菌性传染病团队

动物流感病毒病原生态学团队

动物源性病原生物学与食品安全团队

小动物传染病预防与控制团队



洪扬

研究领域：寄生虫蛋白质组学与分子生物学

电话/传真：021-34293618

电子邮件：hongyang\_7@126.com

更多信息：比如实验室主页等

简历（200-500字）：

洪扬

男，汉族，1983年出生于山东威海，中共党员，中国农业科学院上海兽医研究所副研究员。2006年毕业于南京农业大学动物医学专业，获学士学位；同年考取南京农业大学预防兽医专业硕-博连读研究生，师从李祥瑞教授；2007.7-2011.6在中国农业科学院上海兽医研究所国家防治血吸虫病专业实验室开展博士论文工作，师从林娇娇研究员；2011年获得南京农业大学预防兽医学博士学位；2011.7-2013.7，在中国农业科学院上海兽医研究所开展博士后研究。2013.7至今，在中国农业科学院上海兽医研究所国家防治血吸虫病专业实验室进行科学研究工作，主要从事日本血吸虫蛋白质组学研究、不同适宜性宿主与日本血吸虫相互作用的机理研究、以及日本血吸虫诊断及疫苗的研发。主持并参与多项国内外课题研究，已在《Molecular & Cellular Proteomics》等国内外专业期刊杂志上发表科研论文70余篇（SCI收录30余篇），获得国家发明专利3项。

获奖及荣誉：

2013年，被评为中国农业科学院2012年度优秀博士后；

2015年，被评为上海市委农办系统共青团先进个人；

2015年，获得国家公派出国留学资格

承担科研项目情况：

主持

1、不同适宜性宿主体内日本血吸虫童虫磷酸化蛋白的比较蛋白质组学分析，国家自然科学基金青年基金（31402192），2015.7-2017.12

2、日本血吸虫童虫排泄分泌蛋白的鉴定及其在宿主天然免疫应答中的作用，中央级公益性科研院所基本科研业务费（2015JB09），2015.7-2016.12

3、基于体被抗原免疫蛋白组学的日本血吸虫病ELISA检测技术研究，中央级公益性科研院所基本科研业务费(2013JB18)，2013.7-2014.12

4、东方田鼠抗日本血吸虫靶抗原的鉴定及机制研究，中国博士后科学基金（2012M510630），2012.5-2013.7

参与

1、日本血吸虫体被表面蛋白质组研究，国家自然科学基金面上项目（31172315）2012.1-2015.12

2、日本血吸虫凋亡现象观察与分析，国家自然科学基金面上项目（31172315）2013.1-2016.12

3、Adjuvant and Dose Optimization of Paramyosin based Vaccines for Schistosomiasis，美国NIH项目（R21AI097963），2013.1-2014.12

4、东方田鼠抗血吸虫病特性及抗病相关分子研究，上海市科技发展基金（12140902700），2013.1-2014.12

代表论著：

1. Yang Hong, Hongxiao Han, Jinbiao Peng, Ye Li, Yaojun Shi, Zhiqiang Fu, Jinming Liu,

- Jiaojiao Lin, Xiangrui Li. Schistosoma japonicum: Cloning, expression and characterization of a gene encoding the  $\alpha 5$ -subunit of the proteasome. *Exp Parasitol*, 2010, 126(4): 517-525.
2. Yang Hong, Jinbiao Peng, Weibin Jiang, Zhiqiang Fu, Jinming Liu, Yaojun Shi, Xiangrui Li, Jiaojiao Lin. Proteomic analysis of Schistosoma japonicum schistosomulum proteins that are differentially expressed among hosts differing in their susceptibility to the infection. *Molecular & Cellular Proteomics*, 2011, 10(8): M110006098
3. Yang Hong<sup>1</sup>, Anguo Sun<sup>1</sup>, Min Zhang, Fei Gao, Yanhui Han, Zhiqiang Fu, Yaojun Shi, Jiaojiao Lin. Proteomics analysis of differentially expressed proteins in schistosomula and adult worms of Schistosoma japonicum. *Acta Trop*, 2013, 126(1): 1-10.
4. Yang Hong, Yanhui Han, Zhiqiang Fu, Hongxiao Han, Chunhui Qiu, Min Zhang, Jianmei Yang, Yaojun Shi, Xiangrui Li, Jiaojiao Lin. Characterization and expression of the Schistosoma japonicum thioredoxin peroxidase-2 gene. *J Parasitol*, 2013, 99(1): 68-76.
5. Yang Hong, Min Zhang, Jianmei Yang, Xiaodan Cao, Qian Han, Yanhui Han, Chunhui Qiu, Chuangang Zhu, Ke Lu, Hao Li, Zhiqiang Fu, Jiaojiao Lin. Immunoproteomic analysis of Schistosoma japonicum schistosomulum proteins recognized by immunoglobulin G in the sera of susceptible and non-susceptible hosts. *J Proteomics*, 2015, 124: 25-38.
6. Min Zhang, Zhiqiang Fu, Changjian Li, Yanhui Han, Xiaodan Cao, Hongxiao Han, Yantao Liu, Ke Lu, Yang Hong\*, Jiaojiao Lin\*. Screening diagnostic candidates for schistosomiasis from tegument proteins of adult Schistosoma japonicum using an immunoproteomic approach. *PLoS NTD*, 2015, 9 (2): e0003454.
7. Xiaodan Cao, Yang Hong, Min Zhang, Yanhui Han, Miaoli Wu, Xinzhuo Wang, Xiaoyong Guo, Changjian Li, Ke Lu, Hao Li, Zhiqiang Fu, Jiaojiao Lin. Cloning, expression and characterization of protein disulfide isomerase of Schistosoma japonicum. *Exp Parasitol*, 2014, 146C: 43-51.
8. Min Zhang, Yang Hong, Yanhui Han, Hongxiao Han, Jinbiao Peng, Chunhui Qiu, Jianmei Yang, Ke Lu, Zhiqiang Fu, Jiaojiao Lin. Proteomic Analysis of Tegument-Exposed Proteins of Female and Male Schistosoma japonicum Worms. *J Proteome Res*, 2013, 12 (11): 5260-5270.
9. Jianmei Yang, Yang Hong, Chunxiu Yuan, Zhiqiang Fu, Yaojun Shi, Min Zhang, Lihong Shen, Yanhui Han, Chuangang Zhu, Hao Li, Ke Lu, Jinming Liu, Xingang Feng, Jiaojiao Lin. Microarray Analysis of Gene Expression Profiles of Schistosoma japonicum Derived from Less-Susceptible Host Water Buffalo and Susceptible Host Goat. *PLoS One*, 2013, 8 (8): e70367.
10. Chunhui Qiu, Yang Hong, Yan Cao, Fei Wang, Zhiqiang Fu, Yaojun Shi, Meimei Wei, Shengfa Liu, Jiaojiao Lin. Molecular cloning and characterization of glutamine synthetase, a tegumental protein from Schistosoma japonicum. *Parasitol Res*, 2012, 111(6):2367-2376.
11. Weibin Jiang, Yang Hong, Jinbiao Peng, Zhiqiang Fu, Xingang Feng, Jinming Liu, Yaojun Shi, Jiaojiao Lin. Study on differences in the pathology, T cell subsets and gene expression in susceptible and non-susceptible hosts infected with Schistosoma japonicum. *PLoS One*, 2010, 5(10): e13494.
12. Hongxiao Han, Jinbiao Peng, Yang Hong, Zhiqiang Fu, Ke Lu, Hao Li, Chuangang Zhu, Qihua Zhao, Jiaojiao Lin. Comparative characterization of microRNAs in Schistosoma japonicum schistosomula from Wistar rats and BALB/c mice. *Parasitol Res*, 2015, accepted
13. Yanhui Han, Zhiqiang Fu, Yang Hong, Min Zhang, Hongxiao Han, Ke Lu, Jianmei Yang, Xiangrui Li, Jiaojiao Lin. Inhibitory effects and analysis of RNA interference on thioredoxin glutathione reductase expression in Schistosoma japonicum. *J Parasitol*, 2014, 100 (4): 463-469.
14. Hongxiao Han, Jinbiao Peng, Yanhui Han, Min Zhang, Yang Hong, Zhiqiang Fu, Jianmei Yang, Jianping Tao, Jiaojiao Lin. Differential Expression of microRNAs in the Non-Permissive Schistosome Host Microtus fortis under Schistosome Infection. *PLoS One*, 2013, 8 (12): e85080.
15. Hongxiao Han, Jinbiao Peng, Yang Hong, Min Zhang, Yanhui Han, Zhiqiang Fu, Yaojun Shi, Jinjun Xu, Jianping Tao, Jiaojiao Lin. Comparison of the differential expression miRNAs in Wistar rats before and 10 days after S. japonicum infection. *Parasit Vectors*, 2013, 6(1): 120.
16. Hongxiao Han, Jinbiao Peng, Yang Hong, Min Zhang, Yanhui Han, Dandan Liu, Zhiqiang Fu, Yaojun Shi, Jinjun Xu, Jianping Tao, Jiaojiao Lin. MicroRNA expression profile in different tissues of BALB/c mice in the early phase of Schistosoma japonicum infection. *Mol Biochem Parasitol*, 2013, 188(1): 1-9.
17. Yanian Xiong, Min Zhang, Yang Hong, Meimei Wei, Dezhou Ai, Peipei Meng, Yanhui Han, Zhiqiang Fu, Yaojun Shi, Jianmei Yang, Jiaojiao Lin. Characterization Analysis of Schistosoma japonicum Plasma Membrane Repair Relative Gene Myoferlin. *PLoS One*,

2013, 8 (6): e66396.

18.Chunhui Qiu, Shengfa Liu, Yang Hong, Zhiqiang Fu, Meimei Wei, Dezhou Ai, Jiaojiao Lin. Molecular characterization of thyroid hormone receptor beta from *Schistosoma japonicum* and assessment of its potential as a vaccine candidate antigen against schistosomiasis in BALB/c mice. *Parasit Vectors*, 2012, 5: 172.

19.Xiujuan Wu, Bin Zhao, Yang Hong, Xuezhen Li, Jinbiao Peng, Juan Zhang, Fei Wang, Yaojun Shi, Zhiqiang Fu, Jiaojiao Lin. Characterization of *Schistosoma japonicum* estrogen-related receptor beta like 1 and immunogenicity analysis of the recombinant protein. *Exp Parasitol*, 2012, 131(3): 383-392.

20.Yanhui Han, Min Zhang, Yang Hong, Zhu Zhu, Dong Li, Xiangrui Li, Zhiqiang Fu, Jiaojiao Lin. Characterization of thioredoxin glutathione reductase in *Schistosoma japonicum*. *Parasitol Int*, 2012, 61(3): 475-480.

21.Hongxiao Han, Jinbiao Peng, Yang Hong, Zhiqiang Fu, Jinjun Xu, Jiaojiao Lin, Jianping Tao. Molecular cloning and characterization of a cyclophilin A homologue from *Schistosoma japonicum*. *Parasitol Res*, 2012, 111(2): 807-817.

22.Yanian Xiong, Min Zhang, Yang Hong, Meimei Wei, Dezhou Ai, Peipei Meng, Yanhui Han, Zhiqiang Fu, Yaojun Shi, Jianmei Yang, Jiaojiao Lin. Characterization Analysis of *Schistosoma japonicum* Plasma Membrane Repair Relative Gene Myoferlin. *PLoS One*, 2013, 8 (6): e66396.

23.Jinbiao Peng, Geoffrey N. Gobert, Yang Hong, Weibin Jiang, Hongxiao Han, Donald P. McManus, Xinzhi Wang, Jinming Liu, Zhiqiang Fu, Yaojun Shi, Jiaojiao Lin. Apoptosis Governs the Elimination of *Schistosoma japonicum* from the Non-Permissive Host *Microtus fortis*. *PLoS One*, 2011, 6(6): e21109.

24.Jinbiao Peng, Hongxiao Han, Yang Hong, Zhiqiang Fu, Jinming Liu, Jiaojiao Lin. Molecular cloning and characterization of a gene encoding methionine aminopeptidase 2 of *Schistosoma japonicum*. *Parasitology Research*, 2010, 107(4): 939-946.

25.洪炆, 韩宏晓, 彭金彪, 李晔, 石耀军, 傅志强, 刘金明, 李祥瑞, 林矫矫. 日本血吸虫蛋白酶 $\alpha$ 2亚基基因的克隆、表达及功能分析. *生物工程学报*, 2010, 26(4): 509-516.

26.洪炆, 傅志强, 朱传刚, 陆珂, 杨健美, 李浩, 石耀军, 苑纯秀, 林矫矫. 免疫蛋白质组学及其在病原生物学中的研究进展. *国际医学寄生虫病杂志*, 2012, 39(5): 304-309.

27.洪炆, 李学珍, 傅志强, 石耀军, 陆珂, 杨健美, 朱传刚, 苑纯秀, 李浩, 李祥瑞, 林矫矫. 日本血吸虫TOM34基因的克隆和表达分析. *中国人兽共患病学报*, 2013, 29(2): 122-128.

版权所有 中国农业科学院上海兽医研究所

沪ICP备08018086号-1 工信部备案管理系统网址 (<https://beian.miit.gov.cn>)

地址: 上海市闵行区紫月路518号 邮编: 200241

电话: 021-54082828 (综合办公室) 021-34293141 (研究生招生)

技术支持: 中国农业科学院农业信息研究所

 沪公网安备 31011202007063号

