

个人简介

姓名： 李石柱
性别： 男
出生年月： 1976.12
学位/学历： 博士/研究生
职称： 研究员
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教育经历

2006-9 至 2009-7, 中国疾病预防控制中心, 流行病与卫生统计学, 博士, 导师: 周晓农
2000-9 至 2003-7, 陕西师范大学/第二军医大学, 媒介生物学, 硕士, 导师: 郑哲民/马雅军
1996-9 至 2000-7, 淮北师范大学, 动物科学, 学士
1993-9 至 1996-7, 黑龙江省双鸭山市第一中心

工作经历

2003.7 至今 中国疾病预防控制中心寄生虫病预防控制所工作
其中:
2010.7-2010.10 世界卫生组织西太区 志愿者
2013.7-2014.3 英国自然历史博物馆 访问学者
2014.5 至今中国疾病预防控制中心寄生虫病预防控制所任副所长

社会/学术任职和活动

中华预防医学会医学寄生虫分会副主任委员 兼秘书长
中华预防医学会流行病学分会 委员
中国地方病协会 理事
中国地方病协会热带病专委会 副主任委员
中国寄生虫与寄生虫病杂志 副主编
河南预防医学杂志 副主编
寄生虫与感染性疾病杂志副主编
热带病与寄生虫学杂志副主编
中国血吸虫病防治杂志 编委

研究方向/主要研究内容

流行病与卫生统计学，病原生物学
血吸虫病/寄生虫病流行病学，空间流行病学，
媒介生物学，生态学，种群遗传学

科研/教学研究项目

- (1)国家传染病重大专项，2016ZX10004222，非洲重要传染病流行规律研究，2016.01-2020.12，2930.51 万元，在研，子课题合作负责人；
- (2)国家传染病重大专项，2012ZX10004220，重要寄生虫病检测和监测技术研究，2012.01-2016.12，100 万元，已结题，分课题负责人；
- (3)国家自然科学基金青年科学基金项目，81101280，基于微卫星 DNA 技术的湖北钉螺景观遗传特征的研究，2012.01-2014.12，22 万元，已结题，主持；
- (4)上海市公共卫生留学基金，GWHW201216，日本血吸虫中间宿主湖北钉螺群体遗传学研究，2014.01-2014.12，20 万元，已结题，主持；
- (5)国家气候变化通报项目，2010，气候变化对人体健康影响评估及适应技术，2010，已结题，主要参与

主要学术成果

期刊论文（近三年）

1. Gong Yanfeng, Li Yinlong, Zhang Lijuan, Lv Shan, Xu Jing, Li Shizhu*. The Potential Distribution Prediction of *Oncomelania hupensis* Based on Newly Emerging and Reemergent Habitats — China, 2015–2019[J]. *China CDC Weekly*, 2021, 3(5): 90-93. doi: 10.46234/ccdcw2021.023
2. Yan Feng Gong, Ling Qian Zhu, Yin Long Li, Li Juan Zhang, Jing Bo Xue, Shang Xia, Shan Lv, Jing Xu and Shi Zhu Li*, Identification of the high-risk area for schistosomiasis transmission in China based on information value and machine learning: a newly data-driven modeling attempt. *Infectious diseases of poverty*, 2021, 10(1):88
3. Yuwan Hao, Xiaokang Hu, Yanfeng Gong, Jingbo Xue, Zhengbin Zhou, Yuanyuan Li, Qiang Wang, Yi Zhang, Shizhu Li*, Spatio-temporal clustering of Mountain-type Zoonotic Visceral Leishmaniasis in China between 2015 and 2019. *PLOS Neglected Tropical Diseases* 2021,15(3): e0009152.
<https://doi.org/10.1371/journal.pntd.0009152>
4. Huanzhang Li, Xinzhong Zang, Xiaokang Hu, Eniola Michael Abe, Menbao Qian, Jingbo Xue, Yingdan Chen, Changhai Zhou, Yuhua Liu, Shizhu Li*, Spatio-temporal distribution characteristics of cysticercosis from 2000 to 2014

in Dali, Yunnan Province, China. *Geospatial Health* 2020; 15:312-319.
doi:10.4081/gh.2020.815

5. Shang Xia, Jin-Xin Zheng, Xin-Yi Wang, Jing-Bo Xue, Jian-Hong Hu, Xue-Qiang Zhang, Xiao-Nong Zhou, Shi-Zhu Li*, Epidemiological big data and analytical tools applied in the control programmes on parasitic diseases in China: NIPD`s sustained contributions in 70 years. *Advances in Parasitology*, 2020, 110: 319-347. <https://doi.org/10.1016/bs.apar.2020.04.009>
6. Yu-Wan Hao, Qiang Wang, Chun-Li Cao, Tian Tian, Ze-Lin Zhu, Jing Xu, Shuisen Zhou, Weiping Wu, Yingdan Chen, Yi Zhang, Jia-Xu Chen, Shi-Zhu Li*, Ning Xiao, Xiao-Nong Zhou, Chapter Eleven-Construction and application of surveillance and response systems for parasitic diseases in China, led by NIPD-CTDR, *Advances in Parasitology*(6.8), 2020, 110: 349-371.
<https://doi.org/10.1016/bs.apar.2020.04.001>
7. Hao Yu-wan, Guan Wei, Wu Hao-nan, Li Lan-hua², Abe EM, Xue Jing-bo, Qin Zhi-qiang, Wang Qiang, Lv Shan, Xu Jing, Wang Wei³, Li Shi-zhu*. Intestinal microbiome profiles in *Oncomelania hupensis* in mainland China. *Acta tropica*. 2020;201:105202.
8. Xinyu Feng, Lingqian Zhu, Zhiqiang Qin, Xiaojin Mo, Yuwan Hao, Ying Jiang, Wei Hu, Shizhu Li*. Temporal transcriptome change of *Oncomelania hupensis* revealed by *Schistosoma japonicum* invasion. *Cell Biosci* 10, 58 (2020).
<https://doi.org/10.1186/s13578-020-00420-4>
9. Xinyi Wang; Jingbo Xue; Shang Xia; Shuai Han; Xiaokang Hu; Zhengbin Zhou; Yi Zhang; Shizhu Li*, Distribution of Suitable Environments for *Phlebotomus chinensis* as the Vector for Mountain-Type Zoonotic Visceral Leishmaniasis — Six Provinces, China. *CCDC Weekly*, 2020, 2(42):815-819
10. Huihui Zhu; Jilei Huang; Changhai Zhou; Tingjun Zhu; Menbao Qian; Mizhen Zhang; Yingdan Chen; Shizhu Li*, Soil-Transmitted Helminthiasis — China, 2018; *CCDC Weekly*, 2020, 2(3):34-38
11. Xue JB, Xia S, Zhang LJ, Abe EM, Zhou J, Li YY, Hao YW, Wang Q, Xu J, Li SZ*, Zhou XN. High-resolution remote sensing-based spatial modeling for the prediction of potential risk areas of schistosomiasis in the Dongting Lake area, China. *Acta Trop*. 2019 Oct;198:105077. doi: 10.1016/j.actatropica.2019.105077. Epub 2019 Jul 13. PMID: 31310730.
12. Xin-Zhong Zang, Huan-Zhang Li, Men-Bao Qian, Ying-Dan Chen, Chang-Hai Zhou, Hong-Kun Liu, Yu-Hua Liu and Shi-Zhu Li*, Extensive disseminated cysticercosis: a case report in Yunnan province, China. *BMC Infectious Diseases* (2019) 19:535.

荣誉及奖项

2015.12 我国血吸虫病监测预警体系的建立与应用 中华医学会 科技进步二等奖

2016.11 我国血吸虫病监测预警体系的建立与应用 中国医疗保健国际交流促进会 华夏医学奖二等奖

Profile

Name: LI SHIZHU
Gender: Male
Date of birth: 30/12/1976
Degree: PhD/Graduate
Title: Professor
Email: Lisz@chinacdc.cn
Address: 207 Ruijin Er Road, Shanghai, China
Office Tel: 021-64311779



Education

9/2006-7/2009, National Institute of Parasitic Diseases, Chinese Center for Disease Prevention and Control, PhD. engaged in a series of study of population genetics and diffusion of *Oncomelania hupensis* with microsatellite marker and mitochondria DNA sequences, as well as spatial analysis tools (e.g. GIS)

9/2000-7/2003, Shaanxi Normal University, M.D. engaged in a study of population genetics of *Anopheles maculatus*, a vector of malaria from China

9/1996-7/2000, Huaibei Normal University, Bachelor's Degree. Study the biology and education techniques

Appointments

5/2014-now, Deputy Director, Professor (since 7/2016), National Institute of Parasitic Diseases, Chinese Center for Disease Prevention and Control, Shanghai,

7/2013-4/2014, Academic Visitor, Wolfson Wellcome Biomedical Laboratories, The Natural History Museum, WHO Collaborating Centre Schistosomiasis, London, UK

11/2012-5/2014, Chief of Department of Schistosomiasis Control, National Institute of Parasitic Diseases, Chinese Center for Disease Prevention and Control. Shanghai,

10/2004-5/2013, Office of Disease Control and Emergency Response, National Institute of Parasitic Diseases, Chinese Center for Disease Prevention and Control. Shanghai,

7/2011-10/2011, volunteer for NTDs in MVP, WPRO-WHO

7/2003-10/2004, National Institute of Parasitic Diseases, Chinese Center for Disease Prevention and Control

Academic Participation and Activities

Deputy Chairman and Secretary-General of the Chinese Preventive Medicine Association Medical Parasite Branch

Member of the Epidemiology Branch of the Chinese Preventive Medicine Association

Director of Chinese Endemic Disease Association

Vice Chairman of the Tropical Disease Committee of the Chinese Endemic Disease Association

Deputy Editor-in-Chief of Chinese Journal of Parasites and Parasitic Diseases

Deputy Editor-in-Chief of Henan Journal of Preventive Medicine Associate

Editor of the Journal of Parasites and Infectious Diseases Associate

Editor of Journal of Tropical Diseases and Parasitology

Editorial Board Member of Chinese Journal of Schistosomiasis Control

Research Interest

Epidemiology and health statistics; Pathogenic biology;

Schistosomiasis/Parasitic disease epidemiology;

Spatial epidemiology; Vector biology, ecology; Population genetics

Projects

(1) National Infectious Diseases Major Special Project, 2016ZX10004222, Research on the Epidemiology of Important Infectious Diseases in Africa, 2016.01-2020.12, 29.3051 million yuan, under research, sub-project cooperation leader;

(2) National Infectious Disease Major Special Project, 2012ZX10004220, Research on important parasitic diseases detection and monitoring technology, 2012.01-2016.12, 1 million yuan, completed, sub-project leader;

(3) National Natural Science Foundation of China Youth Science Foundation Project, 81101280, Research on the genetic characteristics of Hubei Oncomelania snail landscape based on microsatellite DNA technology, 2012.01-2014.12, 220,000 yuan, completed, chaired;

(4) Shanghai Public Health Scholarship Fund, GWHW201216, Research on population genetics of Oncomelania hupensis, the intermediate host of Schistosoma japonicum, 2014.01-2014.12, 200,000 yuan, completed, chaired;

(5) National Climate Change Bulletin Project, 2010, Assessment of the Impact of Climate Change on Human Health and Adaptation Technology, 2010, completed, mainly involved

Publications

- [1] Gong Yanfeng, Li Yinlong, Zhang Lijuan, Lv Shan, Xu Jing, Li Shizhu*. The Potential Distribution Prediction of *Oncomelania hupensis* Based on Newly Emerging and Reemergent Habitats — China, 2015–2019[J]. China CDC Weekly, 2021, 3(5): 90-93. doi: 10.46234/ccdcw2021.023
- [2] Yan Feng Gong, Ling Qian Zhu, Yin Long Li, Li Juan Zhang, Jing Bo Xue, Shang Xia, Shan Lv, Jing Xu and Shi Zhu Li*, Identification of the high-risk area for schistosomiasis transmission in China based on information value and machine learning: a newly data-driven modeling attempt. Infectious diseases of poverty, 2021, 10(1):88
- [3] Yuwan Hao, Xiaokang Hu, Yanfeng Gong, Jingbo Xue, Zhengbin Zhou, Yuanyuan Li, Qiang Wang, Yi Zhang, Shizhu Li*, Spatio-temporal clustering of Mountain-type Zoonotic Visceral Leishmaniasis in China between 2015 and 2019. PLOS Neglected Tropical Diseases 2021,15(3): e0009152.
<https://doi.org/10.1371/journal.pntd.0009152>
- [4] Huanzhang Li, Xinzhong Zang, Xiaokang Hu, Eniola Michael Abe, Menbao Qian, Jingbo Xue, Yingdan Chen, Changhai Zhou, Yuhua Liu, Shizhu Li*, Spatio-temporal distribution characteristics of cysticercosis from 2000 to 2014 in Dali, Yunnan Province, China. Geospatial Health 2020; 15:312-319. doi:10.4081/gh.2020.815
- [5] Shang Xia, Jin-Xin Zheng, Xin-Yi Wang, Jing-Bo Xue, Jian-Hong Hu, Xue-Qiang Zhang, Xiao-Nong Zhou, Shi-Zhu Li*, Epidemiological big data and analytical tools applied in the control programmes on parasitic diseases in China: NIPD`s sustained contributions in 70 years. Advances in Parasitology, 2020, 110: 319-347. <https://doi.org/10.1016/bs.apar.2020.04.009>
- [6] Yu-Wan Hao, Qiang Wang, Chun-Li Cao, Tian Tian, Ze-Lin Zhu, Jing Xu, Shuisen Zhou, Weiping Wu, Yingdan Chen, Yi Zhang, Jia-Xu Chen, Shi-Zhu Li*, Ning Xiao, Xiao-Nong Zhou, Chapter Eleven-Construction and application of surveillance and response systems for parasitic diseases in China, led by NIPD-CTDR, Advances in Parasitology(6.8), 2020, 110: 349-371.
<https://doi.org/10.1016/bs.apar.2020.04.001>
- [7] Hao Yu-wan, Guan Wei, Wu Hao-nan, Li Lan-hua2, Abe EM, Xue Jing-bo, Qin Zhi-qiang, Wang Qiang, Lv Shan, Xu Jing, Wang Wei3, Li Shi-zhu*. Intestinal

microbiome profiles in *Oncomelania hupensis* in mainland China. *Acta tropica*. 2020;201:105202.

- [8] Xinyu Feng, Lingqian Zhu, Zhiqiang Qin, Xiaojin Mo, Yuwan Hao, Ying Jiang, Wei Hu, Shizhu Li*. Temporal transcriptome change of *Oncomelania hupensis* revealed by *Schistosoma japonicum* invasion. *Cell Biosci* 10, 58 (2020). <https://doi.org/10.1186/s13578-020-00420-4>
- [9] Xinyi Wang; Jingbo Xue; Shang Xia; Shuai Han; Xiaokang Hu; Zhengbin Zhou; Yi Zhang; Shizhu Li*, Distribution of Suitable Environments for *Phlebotomus chinensis* as the Vector for Mountain-Type Zoonotic Visceral Leishmaniasis — Six Provinces, China. *CCDC Weekly*, 2020, 2(42):815-819
- [10] Huihui Zhu; Jilei Huang; Changhai Zhou; Tingjun Zhu; Menbao Qian; Mizhen Zhang; Yingdan Chen; Shizhu Li*, Soil-Transmitted Helminthiasis — China, 2018; *CCDC Weekly*, 2020, 2(3):34-38
- [11] Xue JB, Xia S, Zhang LJ, Abe EM, Zhou J, Li YY, Hao YW, Wang Q, Xu J, Li SZ*, Zhou XN. High-resolution remote sensing-based spatial modeling for the prediction of potential risk areas of schistosomiasis in the Dongting Lake area, China. *Acta Trop*. 2019 Oct;198:105077. doi: 10.1016/j.actatropica.2019.105077. Epub 2019 Jul 13. PMID: 31310730.
- [12] Xin-Zhong Zang, Huan-Zhang Li, Men-Bao Qian, Ying-Dan Chen, Chang-Hai Zhou, Hong-Kun Liu, Yu-Hua Liu and Shi-Zhu Li*, Extensive disseminated cysticercosis: a case report in Yunnan province, China. *BMC Infectious Diseases* (2019) 19:535.

Books

- (1) "Appropriate Techniques for Elimination of Schistosomiasis" 2020, Editor-in-Chief, People's Medical Publishing House
- (2) "Handbook of Parasitic Diseases Control in Africa", 2018, editor-in-chief, People's Medical Publishing House
- (3) "Tropical Diseases Diagnosis, Treatment and Protection Manual", 2019, editor-in-chief, People's Medical Publishing House
- (4) "Parasite Diseases Surveillance and Management", 2019, Associate Editor, People's Medical Publishing House
- (5) "Schistosomiasis in Africa", 2015, Associate Editor, People's Medical Publishing House

Patents

Li Shizhu; Qin Zhiqiang; Feng Ting; Xu Jing; Lu Shan; Zhou Changhai; Test kit for parasite eggs in human feces, 2 016-08-03, China, ZL 2015 2 1086760.5. (Patent)

Honors and Awards
2016.11 The establishment and application of my country's schistosomiasis monitoring and early warning system, China Healthcare International Exchange Promotion Association, Second Prize of China Medical Award 2015.12 The establishment and application of schistosomiasis monitoring and early warning system, the second prize of scientific and technological progress of the Chinese Medical Association