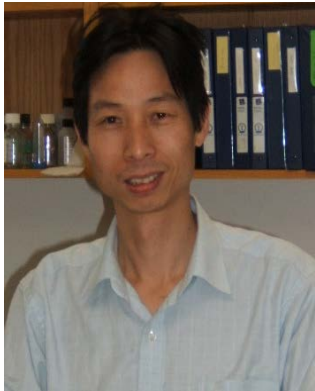


个人简介		
姓名：秦志强 性别：男 出生年月：1972.10 学位/学历：博士/博士研究生 职称：研究员 电子邮件：qinzq@nipd.chinacdc.cn 办公地址：上海市黄浦区瑞金二路 207 号 办公电话：021-54650863		
教育经历		
1998/09-2001/06	中南大学湘雅医学院，病原生物学，	硕士
2002/09-2007/06	中南大学，生物化学与分子生物学，	博士
工作经历		
2001/07-2002/08	浙江省宁波市疾病预防控制中心	主管医师
2007/06-2012/01	美国得克萨斯大学西南医学中心，	博士后
2012/02-迄今	中国疾病预防控制中心寄生虫病预防控制所，副研究员、研究员(期间 2018/10-2019/10 世界卫生组织非洲区域办公室，技术官员)	
社会/学术任职和活动		
中国生物化学与分子生物学会会员 中国细胞生物学会会员		
研究方向/主要研究内容		
专业：病原生物学 研究方向: 1.基于核酸适体的血吸虫病诊疗新技术；2 蠕虫感染与自身免疫 主要研究内容：（一）筛选与鉴定特异性结合血吸虫虫体/虫卵的核酸适配体靶标，探究核酸适配体识别虫体/虫卵的分子机理以及开展基于核酸适体的诊疗新方法研究。（二）针对日本血吸虫感染后导致机体发生自身免疫现象，我们将结合免疫学、细胞生物学以及生物化学等多种手段来研究和阐明其分子机制，为理解血吸虫感染和致病机理提供新的线索。		
科研/教学研究项目		

1. “十三五”国家科技重大专项,“一带一路”重要传染病流行规律和预警应对技术研究》课题(编号:2018ZX10101002-005-003),2018/01-2021/06,在研,子任务主持。
2. 上海市自然科学基金,17ZR1433300,核酸适配体 Apt-LC15 体内靶向识别日本血吸虫卵的功能研究,2017/05-2020/04,主持。
3. 上海市卫生和计生委面上科研基金,基于 LAMP 方法的血吸虫病传播监测试剂研发,2014/01-2016/12,主持。
4. 化学生物与计量传感学国家重点实验室(湖南大学)开放基金,基于核酸适配体的血吸虫病诊断新靶标分子的研究 2014/01-2016/12,主持。
5. 国家自然科学基金青年项目,30400256,东方田鼠抗日本血吸虫抗性相关基因的功能研究,2005/01-2007/12,主持。

主要学术成果

期刊论文

1. Youxiang Zhang, De-Hui Xiong, Yangyang Li, Guina Xu, Baoxin Zhang, Yang Liu, Shan Zhang, QingHuang, Simin Chen, Fansheng Zeng, Jingyi Guo, Bin Li, **Zhiqiang Qin***, and Zuping Zhang*. Schistosoma japonicum Infection in Treg-Specific USP21 Knockout Mice. Journal of Immunology Research, 2021 Feb 9;2021:6613162. doi: 10.1155/2021/6613162. (共同通讯作者)
2. Wang X, Fu Q, Song R, Duan B, Bergquist R, Xu J, Li S, Zhou D, **Qin Z***. Antinuclear antibodies and interleukin responses in patients with Schistosoma japonicum infection. Parasite Immunol. 2018;40(10):e12577. doi: 10.1111/pim.12577. Epub 2018 Aug 29.(通讯作者)
3. **Zhi-Qiang Qin**, Xu J, Feng T, Lv Shan, Yin-jun Qian, Li-Juan Zhang, Yin-Long Li, Chao Lv, Robert Bergquist, Shi-Zhu Li, Xiao-Nong Zhou*. Field Evaluation of a Loop-Mediated Isothermal Amplification (LAMP) Platform for the Detection of Schistosoma japonicum Infection in Oncomelania hupensis Snails. Trop. Med. Infect. Dis. 2018, 15;3(4). pii: E124. doi: 10.3390/tropicalmed3040124.
4. Yuqian Long, #, **Zhiqiang Qin**, #, Minlan Duan, Shizhu Li, Jianglin Li, Zilong Zhao, Xiaoqi Wu, Wei Lin, Yi Huang, Mao Ye.* and Weihong Tan.* Screening and Identification of DNA aptamers toward Schistosoma japonicum egg via SELEX. Sci Rep. 2016 Apr 28; 6:24986. doi: 10.1038/srep24986 (共同第一作者)
5. Shen-Bo Chen, Lin Ai, Wei Hu, Jing Xu, **Zhi-Qiang Qin***, Jun-Hu Chen*. New anti-Schistosoma approaches in the People's Republic of China: Development of Diagnostics, Vaccines and Other New Techniques Belonging to the 'omics' group. Adv Parasitol. 2016;92:385-408 (共同通讯作者)
6. **Qin Z**, Zou Y, Lavingia B, Stastny P. Identification of endothelial cell surface antigens encoded by genes other than HLA. A combined immunoprecipitation and proteomic approach for the identification of antigens recognized by antibodies against endothelial cells in transplant recipients. Hum Immunol. 2013

74(11):1445-1452

7. **Qin Z**, Lavingia B, Zou Y, Stastny P. Antibody against nucleolin in receipients of organ transplants. Transplantation. 2011, 92:829-835

专利申请

- 1.人粪便中寄生虫卵检测试剂盒.李石柱,**秦志强**,冯婷,许静,吕山,周长海. 专利号 ZL 2015 2 1086760.5, 专利授权日, 2016.8.3(授权)
- 2.一种检测日本血吸虫卵的核酸适配体及其在制备检测制剂中的应用.谭蔚泓, **秦志强**,龙禹乾,叶茂.专利号 CN104962560B 专利授权日,2017.7.21(授权)
- 3.东方田鼠抗日本血吸虫抗性基因及其编码的多肽. 胡维新,**秦志强**,熊德慧.专利号: ZL200710035282.9; 授权公开日: 2010.5 (授权)

荣誉及奖项

2018年中华医学科学技术奖二等奖（排名第9）

2003 年度宁波市科学技术进步二等奖（NK03020015-2，排名第 2）

2001 年度湖南省科学技术进步二等奖（2001013191-2-07,排名第 7）

Profile

Name: Qin, Zhiqiang
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Date of birth: October, 08, 1972
Degree: Ph.D.
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Education

1998/09~2001/06 M.S. in Pathogen biology, Xiang-Ya School of Medicine, Central South University, China
2002/09~2007/06 Ph.D. in Biochemistry and Molecular Biology, Xiang-Ya School of Medicine, Central South University, China

Appointments

2017/08~present Professor, National Institute of Parasitic Diseases, China CDC, Shanghai, China
2018/10~2019/10 Medical Officer, Schistosomiasis elimination, Expanded Special Project for Elimination of NTDs (ESPEN), World Health Organization Regional Office for Africa, Brazzaville, Congo
2012/02~2017/07 Associate Professor, National Institute of Parasitic Diseases, China CDC, Shanghai, China
2007/06 ~ 2012/01 Postdoctoral Researcher, University of Texas Southwestern Medical Center, Dallas, TX, USA
2001/07~2002/08 Chief Intern, Ningbo Center for Disease Control and Prevention, Ningbo City, Zhejiang Province, China

Academic Participation and Activities

Full member of Chinese Society for Cell Biology
Full member of Chinese society of Biochemistry and molecular biology

Research Interest

Research interests:

- (1) New technology for diagnosis and treatment of schistosomiasis based on nucleic acid aptamer;
- (2) Helminth infection and Autoimmunity

Main research contents: 1, Screening and identification of aptamer targets specifically binding to *Schistosoma japonicum* worm/egg, and then to explore the molecular mechanism of aptamer recognition of *Schistosoma japonicum* worm/egg, and carry out research on new methods of diagnosis and treatment based on aptamer; 2, In view of the autoimmune phenomenon caused by *Schistosoma japonicum* infection, we will study and clarify its molecular mechanism by means of immunology, cell biology and biochemistry, so as to provide new clues for understanding the infection and pathogenesis of *Schistosoma japonicum*.

Projects

Natural Science Foundation of Shanghai, Grant/Award Number: 17ZR1433300

05/01/2017-30/04/2020

Role: Principle Investigator

National Natural Foundation of China (NSFC 30400256) 1/1/2005-12/30/2007

Cloning and functional study on resistance-associated gene to *Schistosoma japonicum* infection from *Microtus fortis*.

Role: Principle Investigator

Publications

1. Youxiang Zhang, De-Hui Xiong, Yangyang Li, Guina Xu, Baoxin Zhang, Yang Li u, Shan Zhang, QingHuang, Simin Chen, Fansheng Zeng, Jingyi Guo, Bin Li, **Zhiqiang Qin***, and Zuping Zhang*. *Schistosoma japonicum* Infection in Treg-Specific USP21 Knockout Mice. *Journal of Immunology Research*, 2021 Feb 9; 2021:6613162. doi: 10.1155/2021/6613162. **(Co-corresponding author)**
2. Wang X, Fu Q, Song R, Duan B, Bergquist R, Xu J, Li S, Zhou D, **Qin Z***. Antinuclear antibodies and interleukin responses in patients with *Schistosoma japonicum* infection. *Parasite Immunol.* 2018;40(10):e12577. doi:

10.1111/pim.12577. Epub 2018 Aug 29.(**Corresponding author**)

3. **Zhi-Qiang Qin**, Xu J, Feng T, Lv Shan, Yin-jun Qian, Li-Juan Zhang, Yin-Long Li, Chao Lv, Robert Bergquist, Shi-Zhu Li, Xiao-Nong Zhou*. Field Evaluation of a Loop-Mediated Isothermal Amplification (LAMP) Platform for the Detection of *Schistosoma japonicum* Infection in *Oncomelania hupensis* Snails. Trop. Med. Infect. Dis. 2018, 15;3(4). pii: E124. doi: 10.3390/tropicalmed3040124.
4. Yuqian Long, #, **Zhiqiang Qin**, #, Minlan Duan, Shizhu Li, Jianglin Li, Zilong Zhao, Xiaoqi Wu, Wei Lin, Yi Huang, Mao Ye.* and Weihong Tan.* Screening and Identification of DNA aptamers toward *Schistosoma japonicum* egg via SELEX. Sci Rep. 2016 Apr 28; 6:24986. doi: 10.1038/srep24986 (**Co-first author**)
5. Shen-Bo Chen, Lin Ai, Wei Hu, Jing Xu, **Zhi-Qiang Qin***, Jun-Hu Chen*.New anti-Schistosoma approaches in the People's Republic of China: Development of Diagnostics, Vaccines and Other New Techniques Belonging to the 'omics' group. Adv Parasitol. 2016;92:385-408 (**Co-corresponding author**)
6. **Qin Z**, Zou Y, Lavingia B, Stastny P. Identification of endothelial cell surface antigens encoded by genes other than HLA. A combined immunoprecipitation and proteomic approach for the identification of antigens recognized by antibodies against endothelial cells in transplant recipients. Hum Immunol. 2013 74(11):1445-1452
7. **Qin Z**, Lavingia B, Zou Y, Stastny P. Antibody against nucleolin in recipients of organ transplants. Transplantation. 2011, 92:829-835

Books

Patents

- 1, Kit for detecting parasite egg in Human stool. Patent No: ZL 2015 2 1086760.5, authorization date:2016.8.3
- 2, The utility model relates to aptamer for detection of *Schistosoma japonicum* eggs and its application in preparation of detection preparations. Patent No. CN104962560B; authorization date 2017.7.21

3. Resistance genes and peptides encoded by *Schistosoma japonicum* in *Microtus fortis*.

Patent No. ZL200710035282.9, authorization date, 2010.5

Honors and Awards

1, Second Prize of China Medical Science and Technology Award 2018 (ranked 9th);

2, Awarded the second prize of Ningbo Science and technology progress in 2003(NK03020015-2, ranked 2th)

3, Second Prize of Science and Technology Progress of Hunan Province in 2001 (2001013191-2-07, Ranked 7th)