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| **个人简介** | D:\扫描件- 证书 文档\微信图片_20220621074111.png |
| **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** |
| **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2005/03-2007/06 中南大学 生物科学与技术学院 讲师（留校）2007/06-2012/01 美国得克萨斯大学西南医学中心 博士后2012/02-2017/06 中国疾病预防控制中心寄生虫病预防控制所 副研究员2017/07-至今 中国疾病预防控制中心寄生虫病预防控制所（国家热带病研究中心） 研究员2018/10-2019/10 世界卫生组织非洲办事处 技术专家 |
| **社会/学术任职和活动** |
| 中国医疗保健国际交流促进会分子诊断学分会委员 |
| **研究方向/主要研究内容** |
| 研究方向: 1.基于核酸适体的寄生虫病分子靶标研究；2血吸虫感染体液免疫记忆机制研究。 |
| **科研/教学研究项目** |
| 1. 国家重点研发计划，重要威胁人类寄生虫感染致病机制和防控干预技术研究课题（编号：2021YFC2300801, 2021YFC2300803），2021/12-2024/11，骨干参与。
2. 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，骨干参与。
3. 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，项目负责人。
4. 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，项目负责人。
5. 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，项目负责人。
6. 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，项目负责人。
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| **主要学术成果** |
| **代表性论文：**1. Ren J, Zhuo Y, He F, Lv L, Xing M, Guo Y, Zhang Y, Liu J, Li Y, Bai T, Chen Y, Li G, **Qin Z**\*, Zhou D\*. [Longitudinal Immune Profiling Highlights CD4+ T Cell Exhaustion Correlated with Liver Fibrosis in Schistosoma japonicum Infection.](https://pubmed.ncbi.nlm.nih.gov/36445332/) *Journal of Immunology.* 2023 Jan 1;210(1):82-95.(共同通讯作者)
2. Zhou X, Wang X, Xu J, Tang Q, Bergquist R, Shi L, **Qin Z**\*. [High-throughput autoantibody profiling of different stages of Schistosomiasis japonica.](https://pubmed.ncbi.nlm.nih.gov/37599561/)*Autoimmunity*.2023 Dec;56(1):2250102. (通讯作者)
3. Wang X, Tang Q, Li H, Jiang H, Xu J, Bergquist R,**Qin Z**\***.** [Autoantibodies against type I interferons in COVID-19 infection: a systematic review and meta-analysis.](https://pubmed.ncbi.nlm.nih.gov/36907547/)International Journal of Infectious Diseases.2023Mar10:S1201-9712(23)00087-5.(通讯作者)
4. .Wang X, Tang Q, Bergquist R, Zhou X, **Qin Z**\***.**[The Cytokine Profile in Different Stages of Schistosomiasis Japonica.](https://pubmed.ncbi.nlm.nih.gov/37887717/)*Pathogens*.2023 Sep 27;12(10):1201.（通讯作者）
5. 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.  (共同通讯作者)
6. 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.](https://www.ncbi.nlm.nih.gov/pubmed/30074250) *Parasite Immunology*. 2018;40(10):e12577.(通讯作者)
7. **Zhi-Qiang Qin**, Xu J, Feng T, Lv Shan, Yin-jun Qian, Li-Juan Zhang, Yin-Long Li, Chao Lv, Robert Bergqusit, 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.
8. Yuqian Long, #, **Zhiqiang Qin**, #, Minlan Duan, Shizhu Li, Jianglin Li, Zilong Zhao, Xiaoqiu Wu, Wei Lin, Yi Huang, Mao Ye.\* and Weihong Tan.\* [Screening and Identification of DNA aptamers toward Schistosoma japoniucm egg via SELEX](http://www.ncbi.nlm.nih.gov/pubmed/25266702). *Scientific Reports*. 2016 Apr 28; 6:24986. (共同第一作者)
9. **[Qin Z](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Qin%20Z%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstract),** [Zou Y](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Zou%20Y%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstract), [Lavingia B](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Lavingia%20B%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstract), [Stastny P](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Stastny%20P%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstract). 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 Immunology.* 2013 74(11):1445-1452
10. **[Qin Z](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Qin%20Z%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstract)**, [Lavingia B](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Lavingia%20B%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstract), [Zou Y](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Zou%20Y%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstract), [Stastny P](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Stastny%20P%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstract). Antibody against nucleolin in receipients of organ transplants. *Transplantation*. 2011, 92:829-835

**专利授权：**1. 微小RNA 及其在制备抗日本血吸虫感染制剂中的应用.**秦志强**,许静,杨杰，吕山,李石柱,周晓农.专利号 2017 1 0118413.3 授权公告号 CN 108531480 B 公开日期 2022.1.18 (授权)
2. 血吸虫尾蚴浓集装置.李石柱;梁莎;**秦志强**;许静;冯婷.专利号：ZL 2023 2 1260053.8，授权公告号：CN 219915000 U. 公开日期 2023.10.27(授权)
3. 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)
4. 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)
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| **荣誉及奖项** |
| **2018**年中华医学科学技术奖二等奖（排名第9）中华预防医学会“全国血防卫士”称号（2018年）**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） |

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| **Profile** | D:\扫描件- 证书 文档\微信图片_20220621074111.png |
| **Name: Qin, Zhiqiang****Gender：Male****Date of birth： October, 08, 1972****Degree：Ph.D.****Title：Professor****Email：qinzq@nipd.chinacdc.cn****Address：207 Ruijin Er Road,  Shanghai, China** |
| **Education** |
| 1998/09～2001/06 M.S. in Pathogen biology, Xiang-Ya School of Medicine, Central South University, China2002/09～2007/06 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 (Chinese Center for Tropical Diseases Research), 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, Congo2012/02～2017/07 Associate Professor, National Institute of Parasitic Diseases, China CDC, Shanghai, China2007/06～2012/01 Postdoctoral Researcher, University of Texas Southwestern Medical Center, Dallas, TX, USA2005/03-2007/06 Instructor, School of Life Science Central South University, China2001/07～2002/08Chief Intern, Ningbo Center for Disease Control and Prevention, Ningbo City, Zhejiang Province, China |
| **Academic Participation and Activities** |
| Member of the Molecular Diagnostics Branch of China International Exchange and Promotive Association for Medical and Health Care |
| **Research Interest** |
| **Research interests:** 1. Study on Molecular Targets for Parasitic Diseases Based on Nucleic Acid Aptamers
2. Study on the Mechanism of Humoral Immunological Memory in Schistosoma Infection
 |
| **Projects** |
| National Key Research and Development Program of China (No. 2021YFC2300800, 2021YFC2300803) 2021/12-2024/11Role:Key Project ParticipantNatural Science Foundation of Shanghai,Grant/Award Number: 17ZR143330005/01/2017-30/04/2020 Role: Principle InvestigatorNational Natural Foundation of China (NSFC 30400256) 1/1/2005-12/30/2007Cloning and functional study on resistance-associated gene to *Schsitosoma japonicum* infection from Microtus fortis.Role: Principle Investigator  |
| **Publications** |
| 1. Ren J, Zhuo Y, He F, Lv L, Xing M, Guo Y, Zhang Y, Liu J, Li Y, Bai T, Chen Y, Li G, **Qin Z**\*, Zhou D\*. [Longitudinal Immune Profiling Highlights CD4+ T Cell Exhaustion Correlated with Liver Fibrosis in Schistosoma japonicum Infection.](https://pubmed.ncbi.nlm.nih.gov/36445332/) *Journal of Immunology.* 2023 Jan 1;210(1):82-95. (**Co-corresponding author**)
2. Zhou X, Wang X, Xu J, Tang Q, Bergquist R, Shi L, **Qin Z**\*. [High-throughput autoantibody profiling of different stages of Schistosomiasis japonica.](https://pubmed.ncbi.nlm.nih.gov/37599561/)*Autoimmunity*.2023 Dec;56(1):2250102. (**Corresponding author**)
3. Wang X, Tang Q, Li H, Jiang H, Xu J, Bergquist R,**Qin Z**\***.** [Autoantibodies against type I interferons in COVID-19 infection: a systematic review and meta-analysis.](https://pubmed.ncbi.nlm.nih.gov/36907547/)International Journal of Infectious Diseases.2023Mar10:S1201-9712(23)00087-5.(**Corresponding author**)
4. .Wang X, Tang Q, Bergquist R, Zhou X, **Qin Z**\***.**[The Cytokine Profile in Different Stages of Schistosomiasis Japonica.](https://pubmed.ncbi.nlm.nih.gov/37887717/)*Pathogens*.2023 Sep 27;12(10):1201. (**Corresponding author**)
5. 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.  (**Co-corresponding author**)
6. 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.](https://www.ncbi.nlm.nih.gov/pubmed/30074250) Parasite Immunol. 2018;40(10):e12577. doi: 10.1111/pim.12577. Epub 2018 Aug 29.( **Corresponding author**)
7. **Zhi-Qiang Qin**, Xu J, Feng T, Lv Shan, Yin-jun Qian, Li-Juan Zhang, Yin-Long Li, Chao Lv, Robert Bergqusit, 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.
8. Yuqian Long, #, **Zhiqiang Qin**, #, Minlan Duan, Shizhu Li, Jianglin Li, Zilong Zhao, Xiaoqiu Wu, Wei Lin, Yi Huang, Mao Ye.\* and Weihong Tan.\* [Screening and Identification of DNA aptamers toward Schistosoma japoniucm egg via SELEX](http://www.ncbi.nlm.nih.gov/pubmed/25266702). Sci Rep. 2016 Apr 28; 6:24986. doi: 10.1038/srep24986 (**Co-first author**)
9. **[Qin Z](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Qin%20Z%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstract),** [Zou Y](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Zou%20Y%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstract), [Lavingia B](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Lavingia%20B%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstract), [Stastny P](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Stastny%20P%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstract). 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
10. **[Qin Z](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Qin%20Z%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstract)**, [Lavingia B](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Lavingia%20B%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstract), [Zou Y](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Zou%20Y%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstract), [Stastny P](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Stastny%20P%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstract). Antibody against nucleolin in receipients of organ transplants. Transplantation. 2011, 92:829-835
 |
| **Patents** |
| 1. MicroRNA and Its Application in Preparing Anti*-Schistosoma japonicum* Infection Formulation. Patent No: 2017 1 0118413.3, authorization date: 2022.1.18
2. Schistosome Cercariae Concentration Device. Patent No: ZL 2023 2 1260053.8，authorization date: 2023.10.27
3. 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
4. Kit for detecting parasite egg in Human stool. Patent No: ZL 2015 2 1086760.5, authorization date:2016.8.3
 |
| **Honors and Awards** |
| 1. Second Prize of China Medical Science and Technology Award 2018 (ranked 9th);
2. National Guardian of Schistosomiasis Control" (Awarded by the Chinese Preventive Medicine Association (2018)
3. Awarded the second prize of Ningbo Science and technology progress in 2003(NK03020015-2, ranked 2th)
4. Second Prize of Science and Technology Progress of Hunan Province in 2001 (2001013191-2-07, Ranked 7th)
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