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| **个人简介** | E:\主要经历\代表留影\2007-12-30.JPG |
| **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  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.](https://www.ncbi.nlm.nih.gov/pubmed/30074250) 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 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. 4. 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 (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**](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 7. [**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） | |

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| **Profile** | E:\主要经历\代表留影\2007-12-30.JPG |
| **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, 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  2001/07～2002/08Chief 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](https://www.cscb.org.cn/en/event/64.html)  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 *Schsitosoma japonicum* infection from Microtus fortis.  Role: Principle Investigator | |
| **Publications** | |
| 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. (**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.](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**) 3. **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. 4. 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**) 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**](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 7. [**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 | |
| **Books** | |
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| **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) | |