

个人简介		
姓名：尹建海 性别：男 出生年月：1984 年 12 月 学位/学历：博士 职称：副研究员 电子邮件：yinh@nipd.chinacdc.cn 办公地址：上海市黄浦区瑞金二路 207 号 办公电话：021-64377008-8406		
教育经历		
2014.09-2017.07，中国疾病预防控制中心，免疫学，博士； 2008.09-2011.07，中国疾病预防控制中心，免疫学，硕士； 2003.09-2008.07，天津医科大学，预防医学，本科。		
工作经历		
2011.7-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），疟疾室； 2018.06-2018.12，中国疾病预防控制中心援塞拉利昂固定生物安全实验室； 2015.07-2015.11，美国 Creighton 大学医学院访问学者； 2013.03-2013.09，国家卫生和计划生育委员会疾控局血地处借调。		
社会/学术任职和活动		
中华医学会热带病与寄生虫学分会青年委员；中国疾控中心现场流行病学培训项目导师；CAN J INFECT DIS MED 编委；FRONT MICROBIOL 客座副主编；《中国寄生虫学与寄生虫病杂志》、《疾病监测》和《Zoonoses》青年编委。		
研究方向/主要研究内容		
1.疟疾检测与监测：疟疾的实验室诊断与质量控制、疟疾流行病学、疟原虫抗药敏感性监测等。 2.寄生虫媒介生物学：传疟按蚊的生长发育分子机制、按蚊杀虫剂抗性及其机制		

等。

3.新发寄生虫感染：隐孢子虫、棘球蚴等新发或重要寄生虫的检测、感染、致病、药物及机制。

## 科研/教学研究项目

1. 国家自然科学基金，多房棘球蚴感染小鼠髓源抑制性细胞促肝脏寄生部位血管生成作用的研究；

2. 国家科技重大专项任务，基于多元大数据的隐孢子虫病时空多尺度预测预警模型构建与适用性评价；

3. 国家科技重大专项任务，重要病媒生物传播疾病风险因素研究。

## 主要学术成果

### 期刊论文(2020 年以来的第一或通讯，含并列)

1. Zhang T, Jiang J, Lyu X, Xu X, Wang S, Liu Z, **Yin J\***, Li W\*. Surveillance and Response to Imported Malaria During the COVID-19 Epidemic — Anhui Province, China, 2019–2021. China CDC Wkly. 2022;4(28):622-625.
2. **Yin JH**, L Christian, T Marcel, Zhou XN\*. Accomplishment of Malaria Elimination in the People's Republic of China. Adv Parasitol. 2022;116: xv-xix.
3. **Yin J\***, Yan H, Li M. Prompt and precise identification of various sources of infection in response to the prevention of malaria re-establishment in China. Infect Dis Poverty. 2022;11(1):45.
4. **Yin J\***, Li M, Yan H, Zhou S, Xia Z\*. Laboratory diagnosis for malaria in the elimination phase in China: efforts and challenges. Front Med. 2022;16(1):10-16.
5. Yin J, Shen Y, Cao J\*. Burden of Cryptosporidium Infections in the Yangtze River Delta in China in the 21st Century: A One Health Perspective. Zoonoses. 2022;2:7.
6. Liu C, Cao J, Zhang H, Wu J, **Yin J\***. Profiling of Transcriptome-Wide N6-Methyladenosine (m6A) Modifications and Identifying m6A Associated Regulation in Sperm Tail Formation in Anopheles sinensis. Int J Mol Sci. 2022;23(9):4630.

7. Liu C, Cao J, Zhang H, **Yin J\***. Evolutionary History of RNA Modifications at N6-Adenosine Originating from the R-M System in Eukaryotes and Prokaryotes. *Biology (Basel)*. 2022;11(2):214.
8. 张丽, 易博禹, 夏志贵, **尹建海\***. 2021 年全国疟疾疫情特征分析. *中国寄生虫学与寄生虫病杂志*. 2022, 40 (2): 135-139.
9. **尹建海**, 张丽, 涂宏, 周何军, 夏志贵\*. 新型冠状病毒肺炎疫情期间全国疟疾病例监测与响应分析. *中国寄生虫学与寄生虫病杂志*. 2021, 39 (4): 461-465.
10. **尹建海**, 刘华, 袁忠英, 姜岩岩, 沈玉娟\*, 曹建平. 同时检测 4 种肠道原虫的多重 PCR 方法的建立及应用. *中国病原生物学杂志*. 2021, 16(6):651-654.
11. Liu C, Cao J, Zhang H, **Yin J\***. The RNA modification in *Echinococcus granulosus* cysts revealed by mass spectrometry. *Infect Genet Evol*. 2021;96:105124.
12. **Yin J**, Yamba F, Zheng C, Zhou S, Smith SJ\*, Wang L, Li H, Xia Z, Xiao N\*. Molecular Detection of Insecticide Resistance Mutations in *Anopheles gambiae* from Sierra Leone Using Multiplex SNaPshot and Sequencing. *Front Cell Infect Microbiol*. 2021;11:666469.
13. Liu H, Xu J, Shen Y, Cao J, **Yin J\***. Genotyping and Zoonotic Potential of *Enterocytozoon bieneusi* in Stray Dogs Sheltered from Shanghai, China. *Animals (Basel)*. 2021;11(12):3571.
14. Liu H#, Ni H#, Xu J, Wang R, Li Y, Shen Y, Cao J, **Yin J\***. Genotyping and zoonotic potential of *Cryptosporidium* and *Enterocytozoon bieneusi* in pigs transported across regions in China. *Microb Pathog*. 2021;154:104823.
15. **Yin J**, Yamba F, Zheng C, Smith SJ, Wang L, Li H, Xia Z, Zhou S, Xiao N\*. First report of N1575Y mutation in *Anopheles gambiae* in Sierra Leone. *Infect Genet Evol*. 2021;92:104852.
16. Wang L, **Yin J\***, Zheng C\*, Smith SJ, Ngegba E, Huang X, Kamara A, Chen X, Wang X, Luo W, Kan B. A Household-Based Cross-Sectional Survey of Knowledge, Awareness and Practice Regarding Malaria in Western Area Rural District, Sierra Leone. *Front Public Health*. 2021;9:664971.
17. 张丽, 丰俊, 涂宏, **尹建海\***, 夏志贵. 2020 年全国疟疾疫情分析. *中国寄生虫学与寄生虫病杂志*. 2021, 39 (2): 195-199.

18. **Yin J**, Zhang L, Feng J, Zhou S, Xia Z\*. Malaria Diagnosis and Verification - China, 2017-2018. China CDC Wkly. 2020;2(17):285-288.
19. Liu C#, **Yin J#**, Hu W, Zhang H\*. Glycogen Phosphorylase: A Drug Target of Amino Alcohols in Echinococcus granulosus, Predicted by a Computer-Aided Method. Front Microbiol. 2020;11:557039.
20. Liu C#, **Yin J#**, Yao J, Xu Z, Tao Y, Zhang H. Pharmacophore-Based Virtual Screening Toward the Discovery of Novel Anti-echinococcal Compounds. Front Cell Infect Microbiol. 2020;10:118.

### 著作

1. 主编《Accomplishment of Malaria Elimination in the People's Republic of China》，Advances in Parasitology, 2022 年 6 月出版；
2. 参编《中国疟疾地图集》，中国地图出版社、中华地图学社，2020 年 9 月出版；
3. 参译《曼氏热带病》，上海科学技术出版社，2020 年 7 月出版；
4. 参编《中国消除疟疾路径分析报告》，上海科学技术出版社，2019 年 1 月出版；
5. 参译《临床微生物学手册（第 11 版）》，中华医学电子音像出版社，2017 年 6 月出版；
6. 参编《腹泻症候群病原学监测与检测技术》，中山大学出版社，2016 年 3 月出版；
7. 参译《被忽视的热带病：全球影响与防治对策》，人民卫生出版社，2011 年 11 月出版。

### 专利

1. 熊果酸在制备抗包虫药物中的应用，授权号：ZL 201610517861.6，第一完成人
2. 他克林在制备治疗包虫病药物中的应用，授权号：ZL 201610517838.7 第三完成人
3. 多重 PCR 检测肠道新发原虫试剂盒及检测方法，授权号：ZL 201510093500.9，第六完成人

<b>荣誉及奖项</b>
<ol style="list-style-type: none"><li>1. 2019 年度上海市科学技术进步奖二等奖（排名第四）；</li><li>2. 2019 年度中华医学科技奖二等奖（排名第四）；</li><li>3. 2019 年度华夏医学科技奖三等奖（排名第四）。</li></ol>

<b>Profile</b>	
<b>Name:</b> Jianhai Yin <b>Gender:</b> Male <b>Date of birth:</b> Dec 1984 <b>Degree:</b> PhD <b>Title:</b> Associate Professor <b>Email:</b> yinjh@nipd.chinacdc.cn <b>Address:</b> 207 Ruijin Er Road, Shanghai, China <b>Office Tel:</b> 021-64377008-8406	
<b>Education</b>	
<p>2014.09-2017.07, Chinese Center for Disease Control and Prevention, Immunology, PhD;</p> <p>2008.09-2011.07, Chinese Center for Disease Control and Prevention, Immunology, Master Degree;</p> <p>2003.09-2008.07, Tianjin Medical University, Preventive Medicine, Bachelor.</p>	
<b>Appointments</b>	
<p>2011.7-, National Institute of Parasitic Diseases, Chinese Center for Disease Control and Prevention (Chinese Center for Tropical Diseases Research), Department of Malaria;</p> <p>2018.06-2018.12, Sierra Leone-China Friendship Biological Safety Laboratory;</p> <p>2015.07-2015.11, School of Medicine, Creighton University (USA), Visiting Scholar;</p> <p>2013.03-2013.09, Bureau of Disease Prevention and Control, MOH.</p>	
<b>Academic Participation and Activities</b>	
<p>Youth Committee Member of Tropical Diseases and Parasitology Branch of Chinese Medical Association; Instructor of China CDC FETP; Editorial Board Member of CAN J INFECT DIS MED; Guest Associate Editor of FRONT MICROBIOL; Youth editorial board of Chinese Journal of Parasitology and Parasitic Diseases, Disease Surveillance and Zoonoses.</p>	

<b>Research Interest</b>
<p>1. Malaria surveillance: malaria laboratory diagnosis and quality control, malaria epidemiology, antimalarial resistance surveillance, etc.</p> <p>2. Parasite and vector biology: molecular mechanism of the growth and development of malaria vector <i>Anopheles</i>, insecticide resistance of <i>Anopheles</i> mosquitoes and its mechanism, etc</p> <p>3. Emerging parasites infection: detection, infection and pathogenicity, anti-parasitic drugs and mechanism of emerging parasites and several major parasites such as <i>Cryptosporidium</i> and <i>Echinococcus</i>.</p>
<b>Projects</b>
<p>1. National Natural Science Foundation of China, Studies on the role of myeloid-derived suppressor cells from the mice of alveolar hydatid infection in promoting angiogenesis in liver parasitic site;</p> <p>2. National Science and Technology Major Program of China, Construction and applicability evaluation of a spatiotemporal multi-scale prediction and early warning model for cryptosporidiosis based on multivariate big data;</p> <p>3. National Science and Technology Major Program of China, Research on risk factors of important vector-borne diseases.</p>
<b>Publications</b>
<p><b>First author or corresponding author since 2020</b></p> <p>1. Zhang T, Jiang J, Lyu X, Xu X, Wang S, Liu Z, <b>Yin J*</b>, Li W*. Surveillance and Response to Imported Malaria During the COVID-19 Epidemic — Anhui Province, China, 2019–2021. <i>China CDC Wkly.</i> 2022;4(28):622-625.</p> <p>2. <b>Yin JH</b>, L Christian, T Marcel, Zhou XN*. Accomplishment of Malaria Elimination in the People's Republic of China. <i>Adv Parasitol.</i> 2022;116: xv-xix.</p> <p>3. <b>Yin J*</b>, Yan H, Li M. Prompt and precise identification of various sources of infection in response to the prevention of malaria re-establishment in China. <i>Infect</i></p>

Dis Poverty. 2022;11(1):45.

4. **Yin J\***, Li M, Yan H, Zhou S, Xia Z\*. Laboratory diagnosis for malaria in the elimination phase in China: efforts and challenges. *Front Med.* 2022;16(1):10-16.
5. Yin J, Shen Y, Cao J\*. Burden of Cryptosporidium Infections in the Yangtze River Delta in China in the 21st Century: A One Health Perspective. *Zoonoses.* 2022;2:7.
6. Liu C, Cao J, Zhang H, Wu J, **Yin J\***. Profiling of Transcriptome-Wide N6-Methyladenosine (m6A) Modifications and Identifying m6A Associated Regulation in Sperm Tail Formation in *Anopheles sinensis*. *Int J Mol Sci.* 2022;23(9):4630.
7. Liu C, Cao J, Zhang H, **Yin J\***. Evolutionary History of RNA Modifications at N6-Adenosine Originating from the R-M System in Eukaryotes and Prokaryotes. *Biology (Basel).* 2022;11(2):214.
8. Zhang L, Yi BY, Xia ZG, **Yin JH\***. Epidemiological characteristics of malaria in China, 2021. *Chin J Parasitol Parasit Dis.* 2022, 40 (2): 135-139.
9. **Yin JH**, Zhang L, Tu H, Zhou HJ, Xia ZG\*. Analysis of case-based malaria surveillance and response during the period of COVID-19 outbreak in China. *Chin J Parasitol Parasit Dis.* 2021, 39 (4): 461-465.
10. **Yin JH**, Liu H, Yuan ZY, Jiang YY, Shen YJ\*, Cao JP. Establishment and use of a multiplex PCR assay for the simultaneous detection of 4 intestinal protozoa. *J Pathogen Biol.* 2021, 16(6):651-654.
11. Liu C, Cao J, Zhang H, **Yin J\***. The RNA modification in *Echinococcus granulosus* cysts revealed by mass spectrometry. *Infect Genet Evol.* 2021;96:105124.
12. **Yin J**, Yamba F, Zheng C, Zhou S, Smith SJ\*, Wang L, Li H, Xia Z, Xiao N\*. Molecular Detection of Insecticide Resistance Mutations in *Anopheles gambiae* from Sierra Leone Using Multiplex SNaPshot and Sequencing. *Front Cell Infect Microbiol.* 2021;11:666469.
13. Liu H, Xu J, Shen Y, Cao J, **Yin J\***. Genotyping and Zoonotic Potential of *Enterocytozoon bieneusi* in Stray Dogs Sheltered from Shanghai, China. *Animals (Basel).* 2021;11(12):3571.



14. Liu H#, Ni H#, Xu J, Wang R, Li Y, Shen Y, Cao J, **Yin J\***. Genotyping and zoonotic potential of *Cryptosporidium* and *Enterocytozoon bienersi* in pigs transported across regions in China. *Microb Pathog.* 2021;154:104823.
15. **Yin J**, Yamba F, Zheng C, Smith SJ, Wang L, Li H, Xia Z, Zhou S, Xiao N\*. First report of N1575Y mutation in *Anopheles gambiae* in Sierra Leone. *Infect Genet Evol.* 2021;92:104852.
16. Wang L, **Yin J\***, Zheng C\*, Smith SJ, Ngegba E, Huang X, Kamara A, Chen X, Wang X, Luo W, Kan B. A Household-Based Cross-Sectional Survey of Knowledge, Awareness and Practice Regarding Malaria in Western Area Rural District, Sierra Leone. *Front Public Health.* 2021;9:664971.
17. Zhang L, Feng J, Tu H, **Yin JH\***, Xia ZG. Malaria epidemiology in China in 2020. *Chin J Parasitol Parasit Dis.* 2021, 39 (2): 195-199.
18. **Yin J**, Zhang L, Feng J, Zhou S, Xia Z\*. Malaria Diagnosis and Verification - China, 2017-2018. *China CDC Wkly.* 2020;2(17):285-288.
19. Liu C#, **Yin J#**, Hu W, Zhang H\*. Glycogen Phosphorylase: A Drug Target of Amino Alcohols in *Echinococcus granulosus*, Predicted by a Computer-Aided Method. *Front Microbiol.* 2020;11:557039.
20. Liu C#, **Yin J#**, Yao J, Xu Z, Tao Y, Zhang H. Pharmacophore-Based Virtual Screening Toward the Discovery of Novel Anti-echinococcal Compounds. *Front Cell Infect Microbiol.* 2020;10:118.

## Books

1. Editor-in-chief of "Accomplishment of Malaria Elimination in the People's Republic of China", published in *Advances in Parasitology*, June 2022;
2. Participated in the compilation of "Atlas of Malaria Transmission in China", published in Sinomap Press, Chinese Map Publishing House, September 2020;
3. Participated in the translation of "Mann's Tropical Diseases", published in Shanghai Scientific & Technical Publishers, July 2020;
4. Participated in the compilation of "Roadmap Analysis on Malaria Elimination in China", published in Shanghai Scientific & Technical Publishers, January 2019;

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| <ol style="list-style-type: none"><li>5. Participated in the translation of "Manual of Clinical Microbiology (11th Edition)", published in Chinese Medical Multimedia Press, June 2017;</li><li>6. Participated in the compilation of "Pathogen Surveillance and Detection Techniques: Diarrhea Syndrome", published in Sun Yat-sen University Press, March 2016;</li><li>7. Participated in the translation of “Working to overcome the global impact of neglected tropical diseases: first WHO report on neglected tropical diseases”, People's Medical Publishing House, November 2011.</li></ol> |
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<b>Patents</b>
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| <ol style="list-style-type: none"><li>1. The application of ursolic acid in the preparation of anti-hydatid drugs.<br/>Authorization number: ZL 201610517861.6. The first inventor;</li><li>2. Application of tacrine in the preparation of drugs for treating hydatid disease.<br/>Authorization number: ZL 201610517838.7. The third inventor;</li><li>3. Multiplex PCR detection kit and detection method for emerging intestinal protozoa. Authorization number: ZL 201510093500.9. The sixth inventor.</li></ol> |
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<b>Honors and Awards</b>
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| <ol style="list-style-type: none"><li>1. Second Prize of Chinese Medical Association Science and Technology Progress Award 2019;</li><li>2. Second Prize of Shanghai Science and Technology Progress Award 2019;</li><li>3. Third Prize of CPAM Science and Technology Progress Award 2019.</li></ol> |
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