

个人简介		
姓名：周水森 性别:男 出生年月：1967 年 6 月 学位/学历： 博士/博士研究生 职称：研究员 电子邮件：zhouss@nipd.chinacdc.cn 办公地址：上海市黄浦区瑞金二路 207 号 办公电话： 021-64673302		
教育经历 ● 1999-2002：中国预防医学科学院 流行病与卫生统计学 博士学习 ● 1993-1996：中国协和医科大学 流行病与卫生统计学 硕士学习 ● 1985-1988：江西省宜春学院 预防医学 大学		
工作经历 ● 1996 年 7 月-2019 年 11 月：中国疾病预防控制中心寄生虫病预防控制所研究员，科室主任。 ● 2019 年 11 月- ：中华人民共和国驻塞拉利昂大使馆一秘职衔（正处）。 ● 2013 年 1 月-2015 年 1 月：世界卫生组织（WHO）总部技术专家。 ● 1988 年 8 月-1993 年 7 月：江西省星子县卫生防疫站公卫医师。		
社会/学术任职和活动 1. 国家消除疟疾技术专家组 副组长 2. 国家卫生健康委员会（卫生部）疾病预防控制专家委员会委员 3. 世界卫生组织(WHO)湄公河区域疟疾项目技术顾问（兼职） 4. 中国疾病预防控制中心 博士生导师 5. 中国寄生虫病与寄生虫学杂志、国际医学寄生虫学杂志、中国地理学杂志编委		

研究方向/主要研究内容

主要研究方向为疟疾流行病学与媒介分子生物学，侧重于疟疾现场流行病学与实验室分子生物学相结合，阐明疟疾及其传播媒介按蚊流行病学分布、传播规律与防控措施效果评价等。近年具体研究方向包括：

1. 疟疾跨境传播与扩散规律及影响因素研究；
2. 疟疾无症状带虫者及低密度原虫血症分子检测研究；
3. 青蒿素类药物对恶性疟原虫抗性分子相关研究；
4. 输入性疟疾流行病学特征相关研究。

科研/教学研究项目（在研）

1. 2018-2021 年：科技部“重大专项”（2018ZX10101002-002），“一带一路”重要传染病流行规律及预警应对技术研究--重要病媒生物携带病原体研究，课题负责人
2. 2018-2020 年：外交部项目，澜沧江-湄公河疟疾防控项目，项目负责人

主要学术成果

期刊论文（第一作者/通讯作者）

1. Xinyu Feng...**Shuisen Zhou***, The contributions and achievements on malaria control and forthcoming elimination in China over the past 70 years by NIPD-CTDR Advances in Parasitology, Volume 110 , ISSN 0065-308X , <https://doi.org/10.1016/bs.apar.2020.03.005>
2. Xiaoxiao Wang, Wei Ruan, **Shuisen Zhou***..... Molecular surveillance of Pfcrt and k13 propeller polymorphisms of imported Plasmodium falciparum cases to Zhejiang Province, China between 2016 and 2018. Malar J (2020) 19:59. <https://doi.org/10.1186/s12936-020-3140-0>
3. Xiaoxiao Wang, Wei **Ruan, Shuisen Zhou***....., Prevalence of molecular markers associated with drug resistance of Plasmodium vivax isolates in Western Yunnan Province, China. BMC Infectious Diseases (2020) 20:307. <https://doi.org/10.1186/s12879-020-05032-4>
4. Mei Li.....**Shuisen Zhou***, Analysis on external competency assessment for malaria microscopists in China. Malar J (2019) 18:366. <https://doi.org/10.1186/s12936-019-2996-3>
5. Chen Tian-Mu,..... **Zhou Shui-Sen***. Mobile population dynamics and malaria vulnerability: a modelling study in the China-Myanmar border region of

- Yunnan Province, China. *Infectious Diseases of Poverty*, 2018, 7(1):36.
6. YIN Jian-hai, LI Mei, YAN He, **ZHOU Shui-sen***. Considerations on PCR-based methods for malaria diagnosis in China malaria diagnosis reference laboratory network. *BioScience Trends*. 2018; 12(5):510-514.
 7. Zhang Shaosen, **Zhou Shuisen***,, etc. Monitoring of malaria vectors at the China-Myanmar border while approaching malaria elimination [J]. *Parasite & Vector*, 2018, 11:511, DOI: 10.1186/s13071-018-3073-4.
 8. Zhang Shaosen,**Zhou Shuisen***. Malaria Elimination in the People's Republic of China: Current Progress, Challenges, and Prospects. Book chapter. *Towards Malaria Elimination A leap Forward*. Edited by Sylvie Manguin & Vas Dev. IntechOpen. 2018. DOI: 10.5772/intechopen.77282
 9. Feng, X., **Zhou, S.***, Wang, J.*, & Hu, W*. (2018). microRNA profiles and functions in mosquitoes. *PLoS neglected tropical diseases*, 12(5), e0006463.
 10. Feng, X., Wu, J., **Zhou, S.***, Wang, J.*, & Hu, W*. (2018). Characterization and potential role of microRNA in the Chinese dominant malaria mosquito *Anopheles sinensis* (Diptera: Culicidae) throughout four different life stages. *Cell & bioscience*, 8(1), 29.
 11. Feng, X., Zhou, X., **Zhou, S.***, Wang, J.*, & Hu, W*. (2018). Analysis of microRNA profile of *Anopheles sinensis* by deep sequencing and bioinformatic approaches. *Parasites & vectors*, 11(1), 172.
 12. J Feng, Hong T, L Zhang, SS Zhang, Shan J, ZG Xia, **SS Zhou***. Mapping transmission foci to eliminate malaria in the People's Republic of China, 2010–2015: a retrospective analysis. *BMC Infect Dis*, 2018, 18:115.
 13. Shaosen Zhang ,..., **Shuisen Zhou***. *Anopheles* Vectors in Main land China While Approaching Malaria Elimination. *Trends in Parasitology*, November 2017, Volume 33 (11): 889-900.
 14. Xinyu Feng,..., **Shuisen Zhou***, *Biology, Bionomics and Molecular Biology of Anopheles sinensis* Wiedemann1828 (Diptera:Culicidae) , Main Malaria Vector in China. *Frontiers in Microbiology*, August 2017, Volume8, Article1473.
 15. T.M. CHEN, Q.P. CHEN, R.C. LIU, A. SZOT, S.L. CHEN, J. ZHAO, **S.S. ZHOU***. The transmissibility estimation of influenza with early stage data of small-scale outbreaks in Changsha, China, 2005-2013. *Epidemiology and Infection*, 2017, 145(3):424-433.
 16. **Shui-sen Zhou**, Shao-sen Zhang, Li Zhang, etc. China's 1-3-7 surveillance and response strategy for malaria elimination: Is case reporting, investigation and foci response happening according to plan? *Infectious Diseases of Poverty*, (2015) 4: 55
 17. **Zhou et al.** Operational research on malaria control and elimination: a review of

projects published between 2008 and 2013. *Malaria Journal* 2014,13:473

18. Jian-Hai Yin, **Shui-Sen Zhou***, et al. Historical Patterns of Malaria Transmission in China. *Advances in Parasitology*, 2014 , 86: 1-15
19. Xin-Yu Feng,..., **Shui-Sen Zhou***. Surveillance and Response to Drive the National Malaria Elimination Program. *Advances in Parasitology*, 2014 , 86: 183-202
20. Jianhai Yin..... **Shuisen Zhou***. Verification of clinically diagnosed cases during malaria elimination programme in Guizhou Province of China. *Malaria Journal* 2013, 12:130
21. Jia-Yun Pan, **Shui-Sen Zhou***, et al. Vector capacity of *Anopheles sinensis* in malaria outbreak areas of central China. *Parasites & Vectors* 2012, 5:136
22. **Shuisen ZHOU**, Shaosen ZHANG, Xiang ZHENG, etc. Spatial correlation between Malaria Cases and Water-bodies in *Anopheles sinensis* dominated Areas of Huang-Huai plain, China. *Parasites& Vectors* 2012, 5:106
23. Fang Huang, **Shuisen Zhou***, Shaosen Zhang, etc. Temporal correlation analysis between malaria and meteorological factors in Motuo County, Tibet. *Malaria Journal* 2011, 10:54
24. Fang Huang, **Shuisen Zhou***, Shaosen Zhang, etc. Meteorological Factors–Based Spatio-Temporal Mapping and Predicting Malaria in Central China, *Am. J. Trop. Med. Hyg.*, 85(3), 2011, pp. 560–567
25. Fang Huang, **Shuisen Zhou***, Shaosen Zhang, etc. Monitoring resistance of *Plasmodium vivax*: Point mutations in dihydrofolate reductase gene in isolates from Central China. *Parasites & Vectors*, 2011 4:80
26. **Shui S Zhou**, Fang Huang, Jian J Wang, etc. Geographical, meteorological and vectorial factors related to malaria re-emergence in Huang-Huai River of central China. *Malaria Journal* 2010, 9:337

荣誉及奖项
1. 华夏医学科技奖三等奖（2017 年），有效名次 2. 中国疾病预防控制中心优秀党员（2019 年） 3. 带领团队荣获 “全国疾控工作先进集体”（2015 年）、“共青团上海市青年文明号”（2016 年）和 “上海市青年五四奖章集体”（2017 年）

Profile	
Name: Zhou Shuisen Gender: Male Date of birth: June 1st, 1967 Degree: PhD Title: Professor Email: zhoss@nipd.chinacdc.cn Address: 207 Ruijin Er Road, Shanghai, China Office Tel: 021-64673302	
Education	
● 1999-2002: Chinese Academy of Prevention Medicine, PhD ● 1993-1996: Peking Union University, Master ● 1985-1988: Jiangxi Yichun Medicine College Bachelor	
Appointments	
● Deputy head, National Malaria Elimination Technical Expert Group ● Consultant, Global Malaria programme, WHO Headquarter ● Member, Independent Monitoring Panel of Regional Steering Committee of Global Fund to fight HIV, TB and Malaria ● PhD Tutor, Chinese Center for Disease Control and Prevention	
Academic Participation and Activities	
● Member of the Expert Committee of Disease Prevention and Control of the National Health Commission (Ministry of Health) ● Member of Editorial board: Chinese Journal of Parasitology and Parasitic Diseases, International Journal of Medical Parasitology, Chinese Journal of Geography	

Research Interest

The main research interest is malaria epidemiology and vector molecular biology, focusing on the combination of malaria field epidemiology and laboratory molecular biology, to clarify the epidemiological distribution of malaria and its vector, *Anopheles*, and evaluation of prevention and control measures etc. Specific research directions in recent years include:

1. Research on the modeling and risk factors of malaria transmission and spread across borders;
2. Molecular detection of asymptomatic carriers of malaria and low-density parasitaemia;
3. Molecule studies on the artemisinin resistance to *Plasmodium falciparum*;
4. Correlative research on the epidemiological characteristics of imported malaria.

Projects

- National Science and Technology Major Program of China (No. 2018ZX10101002-002): Research on the Epidemiology of Important Infectious Diseases along the "Belt and Road" and Early Warning and Response Technology--Research on Pathogens Carried by Important Vectors.
- Ministry of Foreign Affairs supported: Lancang-Mekong Malaria Prevention and Control Project.

Publications (First/corresponding author)

1. Xinyu Feng...**Shuisen Zhou***, The contributions and achievements on malaria control and forthcoming elimination in China over the past 70 years by NIPD-CTDR Advances in Parasitology, Volume 110 , ISSN 0065-308X , <https://doi.org/10.1016/bs.apar.2020.03.005>
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14. Xinyu Feng,..., **Shuisen Zhou***, *Biology, Bionomics and Molecular Biology of Anopheles sinensis Wiedemann 1828 (Diptera: Culicidae)* , Main Malaria Vector in China. *Frontiers in Microbiology*, August 2017, Volume 8, Article 1473.
15. T.M. CHEN, Q.P. CHEN, R.C. LIU, A. SZOT, S.L. CHEN, J. ZHAO, **S.S. ZHOU***. The transmissibility estimation of influenza with early stage data of small-scale outbreaks in Changsha, China, 2005-2013. *Epidemiology and Infection*, 2017, 145(3):424-433.
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Books
Patents
Honors and Awards

1. Third prize of Huaxia Medical Science and Technology Award (2017), valid ranking;
2. Awarded as an outstanding member of the Communist Party of China by the Chinese Center for Disease Control and Prevention (2019);
3. Leading the team won the " National Advanced Group for Disease Control" (2015), the " Title of the Shanghai Communist Youth League Youth Civilization " (2016) and the "Title of Shanghai Youth May Fourth Medal Collective " (2017).