个人简介

姓名：王多全

性别: 男

出生年月：1973 年 7 月

学位/学历：博士/研究生

职称： 研究员

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办公地址：上海市黄浦区瑞金二路 207 号

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教育经历

1992 年 9 月至 1997 年 7 月 安徽医科大学学习（本科）

2002 年 9 月至 2005 年 7 月 中国疾病预防控制中心/协和医科大学学习（硕士）

2007 年 9 月至 2010 年 7 月 中国疾病预防控制中心/复旦大学公共卫生学院学习（博士）

工作经历

2005 年至今 中国疾病预防控制中心寄生虫病所（国家热带病研究中心）

2019 年 上海交通大学医学院全球健康学院兼职教师

社会/学术任职和活动

2016 年至今中华预防医学会全球卫生分会委员

2018 年至今热带病专业委员会

2019 年至今《疾病监测》杂志通讯编委

2017 年至今《全球健康杂志（英文）》杂志编委

2019 年至今国际商会出入境特殊物品风险评估专家库成员

2020 年至今 BMJ global health 杂志编委

2024 年至今 The Lancet Regional Health – Southeast Asia 杂志编委

研究方向/主要研究内容

全球卫生治理；全球疟疾流行病学；卫生政策

科研/教学研究项目

时间：2016

项目名称：应用高通量 CLIP-PCR 筛选低密度疟原虫感染

项目编号：HQTDR1409931

项目来源：WHO/TDR

时间：2018-2022

项目名称：通过社区和医疗机构评估疟疾高危人群和伯氨喹引起溶血的风险

项目编号：OPP1164105

项目来源：APMEN

时间：2019-2022

项目名称：中坦疟疾防控合作示范项目

项目编号：OPP1198779

项目来源：盖茨基金支持

时间：2020-2023

项目名称：中非疟疾防控合作 I 期项目

项目编号：2020-C4-0002-03

项目来源：国家卫健委

时间：2021

项目名称：调整“7”的应对策略和措施以完善“1-3-7”工作模式，巩固中缅边境消除疟疾成果

项目编号：2021/1104003-1

项目来源：WHO/TDR

时间：2023-2026

项目名称：GC Malaria-利用按蚊天然抗疟共生菌阻断疟疾传播

项目编号：82261128007

项目来源：国家自然基金委-盖茨联合基金

时间：2023-2026

项目名称：中国疟疾防控的调研与促进项目

项目编号： INV-061480

项目来源：盖茨基金支持

主要学术成果

期刊论文

1.Chang W, Cohen J, **Wang DQ**, Abdulla S, Mahende MK, Gavana T, Scott V, Msuya HM, Mwanyika-Sando M, Njau RJA, Lu SN, Temu S, Masanja H, Anthony W, Aregawi W M, Sunder N, Kun T, Bruxvoort K, Kitau J, Kihwele F, Chila G, Michael M, Castro M, Menzies NA, Kim S, Ning X, Zhou XN, Chaki P, Mlacha YP. Impact of 1,7-malaria reactive community-based testing and response (1,7-mRCTR) approach on malaria prevalence in Tanzania. Infect Dis Poverty. 2023 Dec 18;12(1):116. doi: 10.1186/s40249-023-01166-0. PMID: 38105258; PMCID: PMC10726614.

2. Lu SN, Ding W, Wang JZ, Yin SQ, Li SG, Zhou XW, Xu QL, Sun XD, Cotter C, Hsiang MS, Tatarsky A, Gosling R, Lv S, **Wang DQ***. Application of an innovative grid-based surveillance strategy to ensure elimination and prevent reintroduction of malaria in high-risk border communities

in China. BMC Public Health. 2022 Jul 14;22(1):1347. doi: 10.1186/s12889-022-13753-1. PMID: 35836156; PMCID: PMC9282898.

3. **Wang D**, Lv S, Ding W, et al. Could China's journey of malaria elimination extend to Africa? Infect Dis Poverty. 2022 May 16;11(1):55. doi: 10.1186/s40249-022-00978-w. PMID: 35578325; PMCID: PMC9108373.

4. **Wang, Dq**., Liang, Xh., Lu, Sn. et al. China's long march to malaria elimination: a case of adaptive management. Malar J 21, 38 (2022).

5. Han Gao, Liang Bai, Yongmao Jiang, Wei Huang, Lili Wang, Shengguo Li, Guoding Zhu**, Duoquan Wang**, Zhenghui Huang, Xishang Li, Jun Cao, Lubing Jiang, Marcelo Jacobs-Lorena, Shuai Zhan & Sibao Wang. A natural symbiotic bacterium drives mosquito refractoriness to Plasmodium infection via secretion of an antimalarial lipase. Nat Microbiol 6, 806–817 (2021).

6.Yeromin P. Mlacha, **Duoquan Wang**, Prosper P. Chaki, et al. Effectiveness of the innovative 1,7-malaria reactive community-based testing and response (1, 7-mRCTR) approach on malaria burden reduction in Southeastern Tanzania. Malar J. 2020; 19: 292.

7. **Duo-quan Wang**, Prosper Chaki, Yeromin Mlacha, et al. Application of community-based and integrated strategy to reduce malaria disease burden in southern Tanzania: The study protocol of China-UK-Tanzania pilot project on malaria control. Infect Dis Poverty 8, 4 (2019).

8. **Duoquan Wang**, Chris Cotter, Xiaodong Sun, et al. Adapting the local response for malaria elimination through evaluation of the 1-3-7 system performance in the China–Myanmar border region. Malar J. 2017; 16: 54.

9. Ernest Tambo, **Wang Duo-quan**, Xiao-Nong Zhou, etal. Tackling air pollution and extreme climate changes in China: Implementing the Paris climate change agreement. Environment International, October 2016.

10. Shang Xia, Jin-Xiang Ma, **Duo-Quan Wang**, et al. Economic cost analysis of malaria case management at the household level during the malaria elimination phase in The People's Republic of China. Infectious Diseases of Poverty. May 2016.

11. Zhoupeng Ren, **Duoquan Wang***, Aimin Ma, et al. Predicting malaria vector distribution under climate change scenarios in China: Challenges for malaria elimination. Sci. Rep. Feb 2016.

12. Lu Yan-xin, **WANG Duo-quan**, ZHOU Zheng-qi, et al. Design of Malaria Information Dynamic Acquisition System [J], Journal of Medical Intelligence, 2015, 36(3).

13. QIAN Yingjun, **WANG Duoquan**, DENG Yao, et al. Establishment and application of monitoring and evaluation indicator framework for malaria elimination at province and county levels in China [J], Chinese Journal of Schistosomiasis Control,2015, (3).

14. **Wang D**, Li S, Cheng Z, et al. Transmission risk from imported Plasmodium vivax malaria in the China– Myanmar border region. Emerg Infect Dis. Oct 2015.

15. Cheng Z, **Wang D***, Tian X, et al. Capture and Ligation Probe-PCR (CLIP-PCR) for Molecular Screening, with Application to Active Malaria Surveillance for Elimination. Clin Chem. Jun 2015.

16. Ren Z, **Wang D***, Hwang J, et al. Spatial temporal variation and primary ecological drivers of Anopheles sinensis human biting rates in malaria epidemic-prone regions of China, PLoS One. Jan 2015.

17. Huang JX, Xia ZG, Zhou SS, Pu XJ, Ren ZP, **Wang DQ***, Wang JF. Spatio-temporal analysis of malaria vectors in national malaria surveillance sites in China. Parasite Vectors. Jan 2015.

18. Ying-Jun Qian, **Duo-Quan Wang**, Ning Xiao, et al. Preparation for Malaria Resurgence in China: Approach in Risk Assessment and Rapid Response, Advances in Parasitology. Dec 2014.

19. Xia ZG, Wang RB, **Wang DQ**, et al. China–Africa Cooperation Initiatives in Malaria Control and Elimination. Advances in Parasitology. Dec 2014.

20. **Wang DQ**, Gu ZC, Zheng X, et al. Application of Auto-regressive Linear Model in Understanding the Effect of Climate on Malaria Vectors Dynamics in the Three Gorges Reservoir. Biomed Environ Sci. Oct 2014.

21. Tian X, Genming Zhao, Zhao G, Cao D, **Wang D**, Wang L. Health education and promotion at the site of an emergency: experience from the Chinese Wenchuan earthquake response. Global Health Promotion, October 2014.

22. Li ZJ, Yang YC, Xiao N, Zhou S, Lin KM, **Wang DQ**, Zhang Q, Feng XY. Malaria Imported from Ghana by Returning Gold Miners, China, 2013. Emerg Infect Dis. May 2015.

23. **Duo-quan W**, Lin-hua T, Heng-hui L, et al. Application of Structural Equation Models for Elucidating the Ecological Drivers of Anopheles sinensis in the Three Gorges Reservoir. PLoS ONE. Jul 2013.

24. **Duo-quan Wang**, Zhi-gui Xia, Shui-sen Zhou, et al. A potential threat to malaria elimination: extensive deltamethrin and DDT resistance to Anopheles sinensis from the malaria-endemic areas in China. Malaria Journal. May 2013.

25. **WANG Duo Quan**, TANG Lin Hua, GU Zhen Cheng, et al. Malaria Transmission Potential in the Three Gorges Reservoir of the Yangtze River, China. Biomed Environ Sci. Dec 2013.

26. **Duo-quan W**, Lin-hua T, Zhen-cheng G, et al. Comparative Evaluation of Light Trap Catches, Electric Motor Mosquito Catches and Human Biting Catches of Anopheles in the Three Gorges Reservoir. PLoS ONE. Jul 2012.

27. Song Wu, Fang Huang, **Duoquan Wang**, et al. Ecological behavior comparison between Anopheles pseudowillmori and A. willmori in villages with malaria outbreaks in Motuo County, Tibet Autonomous Region[J]. Chinese Journal of Schistosomiasis Control, 2009, 25(4).

28. **Wang Duo-Quan**, Tang Lin-Hua, Gu Zhen-Cheng et al. Application of the indirect fluorescent antibody assay in the study of malaria infection in the Yangtze River Three Gorges Reservoir, China [J]. Malaria Journal. Sep 2009.

29. **WANG Duo-quan**, ZHENG Xiang, GU Zheng-cheng, et al. Analysis of malaria infection rate of the residents in the Three Gorges Reservoir Areas from a cross-sectional survey [J]. Chinese Journal of Health Education, 2009, 3(5).

30. **WANG Duo-quan**, TANG Lin-hua, ZHOU Shui-sen, et al. Evaluation on current malaria prevalence using capture-recapture method in national sentinel surveillance points malaria [J]. Chinese Journal of Epidemiology, 2007, 28(11).

31. Sheng HF, Zheng X, Shi WQ, Xu JJ, Jiang WK, **Wang DQ**, Tang LH. Factors affecting malaria outbreak in Congjiang County of Guizhou Province. Chinese journal of parasitology & parasitic diseases, 2007, 25(3).

著作

1. 2023，《中非疟疾防控合作实践》，人民卫生出版社，副主编

2. 2019，《中国公共卫生：热带病防治实践，被忽视热带病与疟疾（英文版）》，人民卫生出版，编委

3. 2020，《曼氏热带病》，上海科学技术出版社，编委

专利

2022，一种快速检测恶性疟、间日疟、三日疟和卵形疟的免疫试纸条，发明人

荣誉及奖项

1.2019，云南省卫生厅科技成果奖，中缅边境地区腾冲市消除疟疾关键技术研究及应用

2. 2019，华夏医学科技奖，境外输入性疟疾疫情特征及本地传播风险研究及防控应用

3. 2022，云南省科学技术奖，中缅边境疟疾高传播地区消除疟疾关键技术研究及应用

Profile

Name：Duoquan Wang

Gender：Male

Date of birth： 1973-07-06

Degree： Ph.D

Title： Researcher

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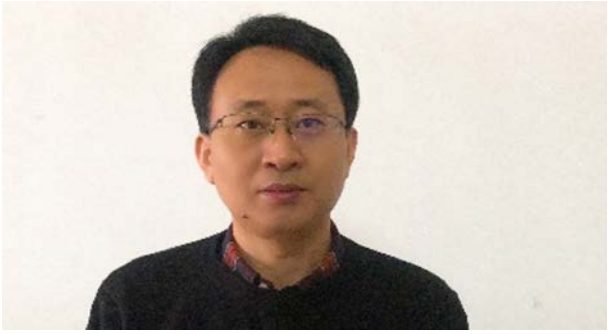
Office Tel：021-64373359



Education

2007.9-2010.7, Epidemiology and Health Statistics, Shanghai, PhD (Fudan University/China CDC)

2002.9-2005.7, Epidemiology and Health Statistics, Beijing, MD (Peking University/China CDC)

1992.9-1997.7, Preventive Medicine, Anhui Province. BM (Anhui Medical University)

Appointments

2005.8-present: NIPD, China CDC

Academic Participation and Activities

Since Nov. 2016, Member of Chinese Society of Global Health, Chinese Preventive Medicine Association

Since Jan. 2018, Member of Tropical Diseases Committee

Since Jun. 2019, Member of International Chamber of Commerce Expert Database for Risk Assessment of Special Items for Entry and Exit

Since Oct.2019, Corresponding Editor of *Disease Surveillance*

Since Sept. 2017, Editorial Board Member of *Journal of Global Health*

Research Interest

Global Health; Malaria Epidemiology

Projects

Time: 2016

Project Name: Application of CLIP-PCR to identify malaria submicroscopic infections to optimize the strategy for active case detection and support elimination in the China-Myanmar border region

Project Number: HQTDR1409931

Funding: WHO/TDR

Time: 2018-2022

Project Name: Community and facility assessment to determine populations at risk of malaria and primaquine induced haemolysis

Project Number: OPP1164105

Funding: APMEN

Time: 2019-2022

Project Name: China-Tanzanian Demonstration Project on Malaria Control

Project Number: OPP1198779

Funding: Bill & Melinda Gates Foundation

Time: 2020-2023

Project Name: China-Africa Cooperation Project on Malaria Control (Phase I)

Project Number: 2020-C4-0002-03

Funding: China National Health Commission

Time: 2021

Project Name: Adapting the local "7" response package to consolidate the malaria elimination efforts through evaluation of the "1-3-7" system performance in the China-Myanmar border region

Project Number: 2021/1104003-1

Funding: WHO/TDR

Time: 2023-2026

Project Name: GC Malaria - Utilizing the Natural Anti-Malaria Symbiotic Bacteria of *Anopheles* to Block Malaria Transmission

Project Number: 82261128007

Funding: Joint Fund of the National Natural Science Foundation of China and the Bill & Melinda Gates Foundation

Time: 2023-2026

Project Name: Investigation and Promotion Project for Malaria Control in China

Project Number: INV-061480

Funding: Bill & Melinda Gates Foundation

Publications

1. Chang W, Cohen J, **Wang DQ**, Abdulla S, Mahende MK, Gavana T, Scott V, Msuya HM, Mwanyika-Sando M, Njau RJA, Lu SN, Temu S, Masanja H, Anthony W, Aregawi W M, Sunder N, Kun T, Bruxvoort K, Kitau J, Kihwele F, Chila G, Michael M, Castro M, Menzies NA, Kim S, Ning X, Zhou XN, Chaki P, Mlacha YP. Impact of 1,7-malaria reactive community-based testing and response (1,7-mRCTR) approach on malaria prevalence in Tanzania. Infect Dis Poverty. 2023 Dec 18;12(1):116. doi: 10.1186/s40249-023-01166-0. PMID: 38105258; PMCID: PMC10726614.

2. Lu SN, Ding W, Wang JZ, Yin SQ, Li SG, Zhou XW, Xu QL, Sun XD, Cotter C, Hsiang MS, Tatarsky A, Gosling R, Lv S, **Wang DQ***. Application of an innovative grid-based surveillance strategy to ensure elimination and prevent reintroduction of malaria in high-risk border communities in China. BMC Public Health. 2022 Jul 14;22(1):1347. doi: 10.1186/s12889-022-13753-1. PMID: 35836156; PMCID: PMC9282898.

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4. **Wang, Dq**., Liang, Xh., Lu, Sn. et al. China's long march to malaria elimination: a case of adaptive management. Malar J 21, 38 (2022).

5. Han Gao, Liang Bai, Yongmao Jiang, Wei Huang, Lili Wang, Shengguo Li, Guoding Zhu**, Duoquan Wang**, Zhenghui Huang, Xishang Li, Jun Cao, Lubing Jiang, Marcelo Jacobs-Lorena, Shuai Zhan & Sibao Wang. A natural symbiotic bacterium drives mosquito refractoriness to Plasmodium infection via secretion of an antimalarial lipase. Nat Microbiol 6, 806–817 (2021).

6.Yeromin P. Mlacha, **Duoquan Wang**, Prosper P. Chaki, et al. Effectiveness of the innovative 1,7-malaria reactive community-based testing and response (1, 7-mRCTR) approach on malaria burden reduction in Southeastern Tanzania. Malar J. 2020; 19: 292.

7. **Duo-quan Wang**, Prosper Chaki, Yeromin Mlacha, et al. Application of community-based and integrated strategy to reduce malaria disease burden in southern Tanzania: The study protocol of China-UK-Tanzania pilot project on malaria control. Infect Dis Poverty 8, 4 (2019).

8. **Duoquan Wang**, Chris Cotter, Xiaodong Sun, et al. Adapting the local response for malaria elimination through evaluation of the 1-3-7 system performance in the China–Myanmar border region. Malar J. 2017; 16: 54.

9. Ernest Tambo, **Wang Duo-quan**, Xiao-Nong Zhou, etal. Tackling air pollution and extreme climate changes in China: Implementing the Paris climate change agreement. Environment International, October 2016.

10. Shang Xia, Jin-Xiang Ma, **Duo-Quan Wang**, et al. Economic cost analysis of malaria case management at the household level during the malaria elimination phase in The People's Republic of China. Infectious Diseases of Poverty. May 2016.

11. Zhoupeng Ren, **Duoquan Wang***, Aimin Ma, et al. Predicting malaria vector distribution under climate change scenarios in China: Challenges for malaria elimination. Sci. Rep. Feb 2016.

12. Lu Yan-xin, **WANG Duo-quan**, ZHOU Zheng-qi, et al. Design of Malaria Information Dynamic Acquisition System [J], Journal of Medical Intelligence, 2015, 36(3).

13. QIAN Yingjun, **WANG Duoquan**, DENG Yao, et al. Establishment and application of monitoring and evaluation indicator framework for malaria elimination at province and county levels in China [J], Chinese Journal of Schistosomiasis Control,2015, (3).

14. **Wang D**, Li S, Cheng Z, et al. Transmission risk from imported Plasmodium vivax malaria in the China– Myanmar border region. Emerg Infect Dis. Oct 2015.

15. Cheng Z, **Wang D***, Tian X, et al. Capture and Ligation Probe-PCR (CLIP-PCR) for Molecular Screening, with Application to Active Malaria Surveillance for Elimination. Clin Chem. Jun 2015.

16. Ren Z, **Wang D***, Hwang J, et al. Spatial temporal variation and primary ecological drivers of Anopheles sinensis human biting rates in malaria epidemic-prone regions of China, PLoS One. Jan 2015.

17. Huang JX, Xia ZG, Zhou SS, Pu XJ, Ren ZP, **Wang DQ***, Wang JF. Spatio-temporal analysis of malaria vectors in national malaria surveillance sites in China. Parasite Vectors. Jan 2015.

18. Ying-Jun Qian, **Duo-Quan Wang**, Ning Xiao, et al. Preparation for Malaria Resurgence in China: Approach in Risk Assessment and Rapid Response, Advances in Parasitology. Dec 2014.

19. Xia ZG, Wang RB, **Wang DQ**, et al. China–Africa Cooperation Initiatives in Malaria Control and Elimination. Advances in Parasitology. Dec 2014.

20. **Wang DQ**, Gu ZC, Zheng X, et al. Application of Auto-regressive Linear Model in Understanding the Effect of Climate on Malaria Vectors Dynamics in the Three Gorges Reservoir. Biomed Environ Sci. Oct 2014.

21. Tian X, Genming Zhao, Zhao G, Cao D, **Wang D**, Wang L. Health education and promotion at the site of an emergency: experience from the Chinese Wenchuan earthquake response. Global Health Promotion, October 2014.

22. Li ZJ, Yang YC, Xiao N, Zhou S, Lin KM, **Wang DQ**, Zhang Q, Feng XY. Malaria Imported from Ghana by Returning Gold Miners, China, 2013. Emerg Infect Dis. May 2015.

23. **Duo-quan W**, Lin-hua T, Heng-hui L, et al. Application of Structural Equation Models for Elucidating the Ecological Drivers of Anopheles sinensis in the Three Gorges Reservoir. PLoS ONE. Jul 2013.

24. **Duo-quan Wang**, Zhi-gui Xia, Shui-sen Zhou, et al. A potential threat to malaria elimination: extensive deltamethrin and DDT resistance to Anopheles sinensis from the malaria-endemic areas in China. Malaria Journal. May 2013.

25. **WANG Duo Quan**, TANG Lin Hua, GU Zhen Cheng, et al. Malaria Transmission Potential in the Three Gorges Reservoir of the Yangtze River, China. Biomed Environ Sci. Dec 2013.

26. **Duo-quan W**, Lin-hua T, Zhen-cheng G, et al. Comparative Evaluation of Light Trap Catches, Electric Motor Mosquito Catches and Human Biting Catches of Anopheles in the Three Gorges Reservoir. PLoS ONE. Jul 2012.

27. Song Wu, Fang Huang, **Duoquan Wang**, et al. Ecological behavior comparison between Anopheles pseudowillmori and A. willmori in villages with malaria outbreaks in Motuo County, Tibet Autonomous Region[J]. Chinese Journal of Schistosomiasis Control, 2009, 25(4).

28. **Wang Duo-Quan**, Tang Lin-Hua, Gu Zhen-Cheng et al. Application of the indirect fluorescent antibody assay in the study of malaria infection in the Yangtze River Three Gorges Reservoir, China [J]. Malaria Journal. Sep 2009.

29. **WANG Duo-quan**, ZHENG Xiang, GU Zheng-cheng, et al. Analysis of malaria infection rate of the residents in the Three Gorges Reservoir Areas from a cross-sectional survey [J]. Chinese Journal of Health Education, 2009, 3(5).

30. **WANG Duo-quan**, TANG Lin-hua, ZHOU Shui-sen, et al. Evaluation on current malaria prevalence using capture-recapture method in national sentinel surveillance points malaria [J]. Chinese Journal of Epidemiology, 2007, 28(11).

31. Sheng HF, Zheng X, Shi WQ, Xu JJ, Jiang WK, **Wang DQ**, Tang LH. Factors affecting malaria outbreak in Congjiang County of Guizhou Province. Chinese journal of parasitology & parasitic diseases, 2007, 25(3).

Books

1. 2023, *China-Africa Cooperation Practices on Malaria Control*, People's Medical Publishing House, Co-Editor.

2. 2019, *Public Health in China Series: Tropical Disease in China, Neglected Tropical Diseases and Malaria*, People's Medical Publishing House, Contributing Author

3. 2020, *Manson's Tropical Diseases*, Shanghai Science & Technology Publishing House, Contributing Author

Patents

2022, A Rapid Immunoassay Test Strip for Detecting *Plasmodium falciparum, Plasmodium vivax, Plasmodium malariae, and Plasmodium ovale*, Inventor

Honors and Awards

1. 2019, Yunnan Provincial Health Department Science and Technology Achievement Award, "Research and Application of Key Technologies for Malaria Elimination in Tengchong City, Border Area of China and Myanmar."

2. 2019, Huaxia Medical Science and Technology Award, "Research on the Characteristics of Imported Malaria Epidemics and the Risk of Local Transmission, and Its Application in Prevention and Control."

3. 2022, Yunnan Province Science and Technology Award, "Research and Application of Key Technologies for Malaria Elimination in High Transmission Areas along the China-Myanmar Border."