

个人简介	
姓名：陈军虎 性别：男 出生年月：1978. 9. 18 学位/学历：博士/研究生 职称：研究员 电子邮件：chenjh@nipd.chinacdc.cn 办公地址：上海市黄浦区瑞金二路207号 办公电话：021-64377008-8311	
教育经历	
1996年9月至2001年6月，华中科技大学同济医学院，预防医学本科 2003年9月至2006年6月，浙江省医学科学院，病原生物学硕士 2007年3月至2010年2月，韩国江原大学，寄生虫学博士	
工作经历	
2001年7月至2006年6月，浙江省医学科学院，研究实习员 2006年7月至2010年3月，浙江省医学科学院，助理研究员 2010年5月至2012年4月，中国疾病预防控制中心寄生虫病预防控制所，博士后 2011年7月至2016年6月，中国疾病预防控制中心寄生虫病预防控制所，副研究员 2011年11月至2016年12月，中国疾病预防控制中心寄生虫病预防控制所，重点实验室副主任 2016年7月至今，中国疾病预防控制中心寄生虫病预防控制所，研究员 2016年12月-2024年3月，中国疾病预防控制中心寄生虫病预防控制所，重点实验室主任 2020年5月-2025年3月，中国疾病预防控制中心寄生虫病预防控制所，所长助理 2023年8月-2024年8月，海南热带病研究中心，副主任 2024年3月-至今，中国疾病预防控制中心寄生虫病预防控制所，媒传热带病室主任	
社会/学术任职和活动	
担任《Frontiers in Microbiology》副主编，以及《Molecular and Biochemical Parasitology》、《Tropical Medicine and Infectious Disease》、《中国寄生虫学与寄生虫病杂志》和《中华地方病学杂志》编委。	
研究方向/主要研究内容	
研究方向：重要媒传寄生虫感染与宿主免疫、种群遗传、诊断、疫苗研究。 主要研究内容：主要从事黑热病、疟疾等重要媒传寄生虫病的流行病学、分子生物学、病原生物学、组学等相关研究。	

主持或参加科研项目（课题）及人才计划项目情况
1. 上海市自然科学基金项目：转录因子AP2-HC调控恶性疟原虫免疫逃避关键因子RIFIN表达及机制的研究，2024.10-2027.9，项目负责人 2. 国家重点研发计划：GWAS解析南非疟疾的关键致病基因以及宿主适应过程，2020.01-2021.12，项目负责人 3. 上海市国际科技合作基金项目：疟疾消除阶段病例溯源的新技术研究，2018.10-2022.09，项目负责人 4. 国家重点研发计划：中国塞拉利昂“一带一路”联合实验室建设与重要传染病病原学研究，2021.01-2023.12，任务负责人， 5. 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，2021.12-2024.11，任务负责人，
主要学术成果
论著 1. Zhu YS, Sun ZS, Zheng JX, Zhang SX, Yin JX, Zhao HQ, Shen HM, Baneth G, Chen JH, Kassegne K*. Prevalence and attributable health burdens of vector-borne parasitic infectious diseases of poverty, 1990-2021: findings from the Global Burden of Disease Study 2021. <i>Infect Dis Poverty</i>. 2024 Dec 11;13(1):96. 2. Sun ZS, Wan EY, Agbana YL, Zhao HQ, Yin JX, Jiang TG, Li Q, Fei SW, Wu LB, Li XC, Zhang QY, Liu JS, Gu SY, Guo ZY, Xue JB, Han LF, Zhang XX, Xia S, Welburn SC, Okpeku M, Guo XK, Wang ZJ, Chen JH*, Zhang Y*, Zhou XN*, Kassegne K*. Global One Health index for zoonoses: A performance assessment in 160 countries and territories. <i>iScience</i>. 2024 Mar 11;27(4):109297. 3. Zhou X, Zhang Q, Chen JH*, Dai JF*, Kassegne K*. Revisiting the antigen markers of vector-borne parasitic diseases identified by immunomics: identification and application to disease control. <i>Expert Rev Proteomics</i>. 2024 Apr;21(4):205-216. 4. Wang T, Shen H, Xu B, Yang W, Chen S*, Chen J*. Genome Analysis of Plasmodium falciparum: A Preliminary Observation - Sierra Leone, 2022-2023. <i>China CDC Wkly</i>. 2024 Apr 26;6(17):368-373. 5. Zhang M, Wang Y, Shen HM, Chen SB, Wang TY, Kassegne K, Chen JH*. Genetic Diversity and Natural Selection of Plasmodium vivax MerozoiteSurface Protein 8 in Global Populations. <i>Infect Genet Evol</i>. 2024 Aug;122:105605. 6. Xiu L*, Li H, Hu Q, Zhang Y, Chen SB, Wang C, Zhou XN, Chen JH*, Yin K*. A versatile Microfluidic Platform for Malaria Infection Screening and Plasmodium Species Genotyping. <i>EBioMedicine</i>. 2023 Dec;98:104898. 7. Yin JX, Agbana YL, Sun ZS, Fei SW, Zhao HQ, Zhou XN, Chen JH*, Kassegne K*. Increased interleukin-6 is associated with long COVID-19: a systematic review and meta-analysis. <i>Infect Dis Poverty</i>. 2023 Apr 24;12(1):43. 8. Xu SJ, Shen HM, Cui YB, Chen SB, Xu B, Chen JH*. Genetic diversity and natural selection of rif gene (PF3D7_1254800) in the Plasmodium falciparum global populations. <i>Mol Biochem Parasitol</i>. 2023 Jun;254:111558.

9. Murhandarwati EE, Herningtyas EH, Puspawati P, Mau F, Chen SB, Shen HM, Chen JH*. Genetic diversity of Merozoite Surface Protein 1-42 (MSP1-42) fragment of <i>Plasmodium vivax</i> from Indonesian isolates: rationale implementation of candidate MSP1 vaccine. <i>Infect Genet Evol.</i> 2020 Nov;85:104573. 10. Quan H, Igbasi U, Oyibo W, Omilabu S, Chen SB, Shen HM, Okolie C, Chen JH*, Zhou XN. High multiple mutations of <i>Plasmodium falciparum</i>-resistant genotypes to sulphadoxine-pyrimethamine in Lagos, Nigeria. <i>Infect Dis Poverty.</i> 2020 Jul 11;9(1):91.
近五年出版专著 参编《病原微生物保藏鉴定技术》，清华大学出版社，2023 授权发明专利 1. 陈军虎;崔延冰;王越;史善美;陈绅波;徐斌.一种恶性疟原虫 RIFIN 多肽 8-RIFIN 及其衍生产品和应用.专利号：ZL 2022 1 0728224.9（2025.3.7，证书号：第 7779152 号） 2. 陈军虎;陈绅波;仰梦佳;沈海默;徐斌. 鉴定恶性疟原虫 PfmSPDBL2 基因多态性的引物和方法. ZL 2016 1 1196328.0 (2021.3.30，证书号：4329952) 3. 陈军虎;樊艳婷;陈绅波;王越;张颀;鞠川;徐斌;胡薇.间日疟原虫 PvMSP1 重组抗原蛋白、其制备方法和用途.专利号：ZL 2013 1 0545600.1（2015.7.22，证书号：第 1734715 号）
荣誉及奖项 2016 年上海市科学技术进步奖二等奖，排名 4 2018 年中华医学科技奖二等奖，排名 7

Profile

Name: Junhu Chen

Gender: Male

Date of birth: Sep. 18, 1978

Degree: Ph.D

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Education

1996/09—2001/06, Bachelor Degree major in Preventive Medicine, Huazhong University of Science and Technology Tongji Medical College

2003/09—2006/06, Master Degree major in Pathogenic Biology, Zhejiang Academy of Medical Sciences

2007/03—2010/02, Ph.D Degree major in Parasitology, Kangwon National University, South Korea

Appointments

2001/07—2006/06, Research Assistant focus on Parasitology, Zhejiang Academy of Medical Sciences

2006/07—2010/03, Assistant Professor focus on Parasitology, Zhejiang Academy of Medical Sciences

2010/05—2012/04, Postdoctoral training, National Institute of Parasitic Diseases, Chinese Center for Disease Control and Prevention

2011/07—2016/06, Associate Professor focus on Pathogenic Biology, National Institute of Parasitic Diseases, Chinese Center for Disease Control and Prevention

2011/11—2016/12, Vice Chief of Key Laboratory, National Institute of Parasitic Diseases, Chinese Center for Disease Control and Prevention

2016/07—Present, Professor focus on Pathogenic Biology, National Institute of Parasitic Diseases, Chinese Center for Disease Control and Prevention

2016/12—2024/03, Chief of Key Laboratory, National Institute of Parasitic Diseases, Chinese Center for Disease Control and Prevention

2020/05—2025/03, Assistant Director, National Institute of Parasitic Diseases, Chinese Center for Disease Control and Prevention

2023/08—2024/08, Deputy Director, Hainan Tropical Disease Research Center

2016/07—Present, Chief of Vector-Borne Tropical Diseases, National Institute of Parasitic Diseases, Chinese Center for Disease Control and Prevention

Academic Participation and Activities

He is the Associate Editor of *Frontiers in Microbiology*, and the editorial board member of *Molecular and Biochemical Parasitology*, *Tropical Medicine and Infectious Disease*, *Chinese Journal of Parasitology and Parasitic Diseases* and *Chinese Journal of Endemiology*.

Research Interest

Major and research interest: important vector borne parasite infection and host immunity, population genetics, diagnosis and vaccine discovery.
He is mainly engaged in the epidemiology, molecular biology, pathogenic biology and omics of leishmaniasis, malaria and other important vector borne parasitic diseases.

Projects

2024/10-2027/09, Study on the regulation of key immune evasion factor RIFIN expression and mechanism by transcription factor AP2-HC in *Plasmodium falciparum*, project granted by the Natural Science Foundation of Shanghai, PI

2020/01-2021/12, Genome Wide Association Scan of malaria parasite genes and host-parasite interaction in malaria endemic provinces of South Africa, project granted by the National Research and Development Plan of China, PI

2018/10-2022/09, Innovative technology for tracing the origin of *Plasmodium* parasites at the stage of malaria elimination, Grant No. 18490741100, project granted by Project of Shanghai Science and Technology Commission, PI

2021/01-2023/12, Construction of the "the Belt and Road" Joint Laboratory in Sierra Leone, China and Research on the Etiology of Important Infectious Diseases, project granted by the National Research and Development Plan of China, Co-I

2021/12-2024/11, Research on the pathogenic mechanism and prevention and control intervention techniques of important threats to human parasitic infections, project granted by the National Research and Development Plan of China, Co-I

Publications

1. Zhu YS, Sun ZS, Zheng JX, Zhang SX, Yin JX, Zhao HQ, Shen HM, Baneth G, **Chen JH***, Kassegne K*. Prevalence and attributable health burdens of vector-borne parasitic infectious diseases of poverty, 1990-2021: findings from the Global Burden of Disease Study 2021. *Infect Dis Poverty*. 2024 Dec 11;13(1):96.
2. Sun ZS, Wan EY, Agbana YL, Zhao HQ, Yin JX, Jiang TG, Li Q, Fei SW, Wu LB, Li XC, Zhang QY, Liu JS, Gu SY, Guo ZY, Xue JB, Han LF, Zhang XX, Xia S, Welburn SC, Okpeku M, Guo XK, Wang ZJ, **Chen JH***, Zhang Y*, Zhou XN*, Kassegne K*. Global One Health index for zoonoses: A performance assessment in 160 countries and territories. *iScience*. 2024 Mar 11;27(4):109297.
3. Zhou X, Zhang Q, **Chen JH***, Dai JF*, Kassegne K*. Revisiting the antigen markers of vector-borne parasitic diseases identified by immunomics: identification and application to disease control. *Expert Rev Proteomics*. 2024 Apr;21(4):205-216.

4. Wang T, Shen H, Xu B, Yang W, Chen S*, Chen J*. Genome Analysis of <i>Plasmodium falciparum</i>: A Preliminary Observation - Sierra Leone, 2022-2023. China CDC Wkly. 2024 Apr 26;6(17):368-373. 5. Zhang M, Wang Y, Shen HM, Chen SB, Wang TY, Kassegne K, Chen JH*. Genetic Diversity and Natural Selection of <i>Plasmodium vivax</i> Merozoite Surface Protein 8 in Global Populations. Infect Genet Evol. 2024 Aug;122:105605. 6. Xiu L*, Li H, Hu Q, Zhang Y, Chen SB, Wang C, Zhou XN, Chen JH*, Yin K*. A versatile Microfluidic Platform for Malaria Infection Screening and <i>Plasmodium</i> Species Genotyping. EBioMedicine. 2023 Dec;98:104898. 7. Yin JX, Agbana YL, Sun ZS, Fei SW, Zhao HQ, Zhou XN, Chen JH*, Kassegne K*. Increased interleukin-6 is associated with long COVID-19: a systematic review and meta-analysis. Infect Dis Poverty. 2023 Apr 24;12(1):43. 8. Xu SJ, Shen HM, Cui YB, Chen SB, Xu B, Chen JH*. Genetic diversity and natural selection of rif gene (PF3D7_1254800) in the <i>Plasmodium falciparum</i> global populations. Mol Biochem Parasitol. 2023 Jun;254:111558. 9. Murhandarwati EE, Herningtyas EH, Puspawati P, Mau F, Chen SB, Shen HM, Chen JH*. Genetic diversity of Merozoite Surface Protein 1-42 (MSP1-42) fragment of <i>Plasmodium vivax</i> from Indonesian isolates: rationale implementation of candidate MSP1 vaccine. Infect Genet Evol. 2020 Nov;85:104573. 10. Quan H, Igbasi U, Oyibo W, Omilabu S, Chen SB, Shen HM, Okolie C, Chen JH*, Zhou XN. High multiple mutations of <i>Plasmodium falciparum</i>-resistant genotypes to sulphadoxine-pyrimethamine in Lagos, Nigeria. Infect Dis Poverty. 2020 Jul 11;9(1):91.
Books
Co authored "Techniques for Preservation and Identification of Pathogenic Microorganisms", published by Tsinghua University Press in 2023.
Patents
• Junhu Chen et al., A <i>Plasmodium falciparum</i> RIFIN peptide 8-RIFIN and its derivatives and applications, Patent No.: ZL 2022 1 0728224.9 • Junhu Chen et al., Recombinant antigen protein of <i>Plasmodium vivax</i> Pvmsp1, preparation method and application. Patent No.: ZL 201310545600.1 • Junhu Chen et al., Primer and method for identifying Pfmspdbl2 gene polymorphism of <i>Plasmodium falciparum</i>. Patent No.: ZL 201611196328.0
Honors and Awards
• The second prize of 2016 Shanghai Science and Technology Progress Award, ranking 4th • The second prize of 2018 Chinese medical science and Technology Award, ranking 7th