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| **个人简介** | 健教中心-陈木新 |
| **姓名： 陈木新****性别: 男****出生年月：1982年11 月****学位/学历： 博士/博士研究生****职称：研究员****电子邮件：chenmx@nipd.chinacdc.cn****办公地址：上海市黄浦区瑞金二路207号** |
| **教育经历** |
| **\*2013/09-2017/01，复旦大学，生命科学学院微生物学和微生物工程系，博士****\*2006/09-2009/06，华南农业大学，兽医学院预防兽医系，硕士****\*2002/09-2006/06，韶关学院，英东生命科学学院生物技术系，学士** |
| **工作经历** |
| **\*2025/06 -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），实验动物与资源保藏中心副主任（主持工作）、健康教育与咨询检测中心副主任，研究员、博士研究生导师****\*2024/11 -2025/06，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），健康教育与咨询检测中心副主任，研究员、硕士研究生导师****\*2020/07-2024/11，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），健康教育与咨询检测中心，研究员、硕士研究生导师****\*2019/11-2021/08，南京医科大学/深圳市疾病预防控制中心，博士后、副研究员、研究员****\*2016/07-2020/06，中国疾病预防控制中心寄生虫病预防控制所，健康教育咨询检测中心，副研究员****\*2012/07-2016/06，中国疾病预防控制中心寄生虫病预防控制所，健康教育咨询检测中心，助理研究员****\*2009/07-2012/06，中国疾病预防控制中心寄生虫病预防控制所，健康教育咨询检测中心，研究实习员** |
| **社会/学术任职和活动** |
| **\*2025/07-至今，中华医学会热带病与寄生虫会委员（2025年）****\*2025/06-至今，《中国健康教育》编委（2025年）****\*2023/05-至今，《中国血吸虫病防治杂志》第八届编委会编委（2023年）****\*2024/09-至今，《疾病预防控制通报》编委会编委（2024年）****\*2022/10-至今，国家卫生健康委人才交流服务中心卫生健康人才评价题库建设专家（2022年）****\*2024/09-至今，中国地方病协会第五届热带病专业委员会委员（2024年）****\*2021/07-20251/06，中国地方病协会第一届病媒生物控制专业委员会委员（2021年）****\*2019/01至今，中国疾病预防控制中心实验室监督检查员（2019年-）****\*2012/10-至今，国家卫生应急队员，队员类型：应急调查与处置；应急工作职责：寄生虫病病原检测、疫情研判** |
| **研究方向/主要研究内容** |
| **研究方向为病原生物学，主要主要从事重要寄生虫病和热带病资源保藏、诊断与防控关键技术研究工作。主持上海市自然科学基金项目、国家重点研发项目子课题等10余项科研项目。发表论文50余篇；申请专利30项，已授权6项。参编专著2部，起草卫生行业标准4项，获中华医学科技奖二等奖等省部级科技奖5项，完成1项传染病防控相关新型灭蚊药成果转化（转让资金200万元）。曾参加武汉、哈尔滨、海南和湖南等新冠病毒感染疫情防控工作，获中共湖北省委员会和湖北省人民政府联合颁发的新时代“最美逆行者”称号（2020年）。** |
| **科研/教学研究项目** |
| 1. 项目名称：病媒生物防制；上海市加强公共卫生体系建设三年行动计划（2023-2025年）优秀学科带头人；编号：GWVI-11.2-XD33；研究起止年月：2023.07- 2026.06；经费：37.44万元；作用：主持，已结题。
2. 项目名称：基于OneHealth理念的重要食源性寄生虫病传播与防控关键技术研究；海南省重点研发计划项目；编号：ZDYF2024SHFZ083；研究起止年月：2024.02- 2027.02；经费：221万元；作用：主持，在研。
3. 项目名称：重要媒传血液原虫全集成碟式微流控基因芯片检测方法的研发及应用；深圳市自然科学基金；编号：JCYJ20210324135207021；研究起止年月：2021.10- 2024.10；经费：20万元；作用：主持，已结题。
4. 项目名称：重要威胁人类寄生虫感染致病机制和防控干预技术研究；国家重点研发计划项目；编号：2021YFC2300800；研究起止年月：2021.12- 2024.11；经费：1808万元；作用：任务负责人兼秘书组负责人，已结题。
5. 项目名称：单抗12D5抑制IL-5表达在小鼠广州管圆线虫感染所致脑炎的分子机制；上海市自然科学基金项目；编号：18ZR1443500；研究起止年月：2018.6- 2021.5；经费：20万元；作用：主持，已结题。
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| **主要学术成果** |
| **期刊论文**1. Zhang B, Xu N, Bian ZR, Zhang C, Li X, Ren XX, Jiang Z, Wu Z, Yu Q, Zheng KY, **Chen MX**\*, Yan C. *Clonorchis sinensis* Infection prevents DSS-induced Colitis Via Lithocholic Acid in a Gut Microbiota-Dependent Manner. Inflammation. 2025 Feb 27.
2. Cai YC, Xu B, Chu YH, Yu YF, Sun JH, Mo ZR, Yang HY, Yan SN, **Chen MX**\*, Chen JX\*. Proteomic Identification and Functional Analysis of *Babesia microti* Reveals Heparin-Binding Proteins. J Trop Med. 2025;2025:8821002.
3. Feng X, Jiang N, Zheng J, Zhu Z, Chen J, Duan L, Song P, Sun J, Zhang X, Hang L, Liu Y, Zhang R, Feng T, Xie B, Wu X, Hou Z, **Chen M**\*, Jiang J\*, Li S\*.Advancing knowledge of One Health in China: lessons for One Health from China's dengue control and prevention programs. Sci One Health. 2024;3:100087.
4. Zhang RJ，Li JZ, Pang HS, Luo ZH,Zhang T, Mo XJ, Yang SJ, Cai YC, Lu Y, Chu YH, Song P, **Chen MX**\*, Ai L, Chen JX. Advances in the study of molecular identification technology of *Echinococcus* species. Tropical Biomedicine, 2022, 39(3): 434-443.
5. **Chen MX**, Huang DN, Chen JX, Huang YL, Zheng HW, Tang YJ, Zhang Q, Chen SH, Ai L, Zhou XN\*, Zhang RL\*. Genetic Characterization and Detection of *Angiostrongylus cantonensis* by Molecular Approaches.Vector-Borne And Zoonotic Diseases，2021.21(9):643-652.
6. **Chen MX**, Ai L, Huang DN, Chen JX, Feng TJ, Mei SJ, Huang YL, Peng B, Zhang SX, Zhang RL\*, Zhou XN\*. Soaring Asymptomatic Infected Individuals Bring About Barriers and Difficulties for Interruption of COVID-19 Prevalence in China. Vector-Borne And Zoonotic Diseases. 2021.21(10):777-784.（IF：2.133）
7. **Chen MX**, Gao ST, Ai L, Chen JX, Feng TJ, Chen ZG, Zhang XM, Deng SY, Lin ZD, Tang YJ, Zhang Q, He GC, Xiong HW, Zhou XN, Zhang RL, Huang DN. The First Reported Case of COVID-19 and *Plasmodium ovale* Malaria Coinfection - Guangdong Province, China, January 2021. China CDC Weekly. 2021, 4:1-2.
8. Xu QM, Fang F, Wu SH, Shi ZQ, Liu Z, Zhao YJ, Zheng HW, Lu GX, Kong HR, Wang GJ, Ai L\*, **Chen MX**\*, Chen JX\*.Dendritic cell TLR4 induces Th1-type immune response against *Cryptosporidium parvum* infection. Tropical Biomedicine. 2021,38(1): 172-179.
9. **Chen MX,** Liu Q, Xue JB, Chen SH, Huang DN, Yu YF, Cai YC, Lu Y, Song P, Zhang RL, Ai L, Chen JX\*.Spreading of Human Babesiosis in China: Current Epidemiological Status and Future Challenges.China CDC Weekly. 2020, 2(33):634-637.
10. **Chen MX**, Zhang RL, Xu XN, Yu Q, Huang DN, Liu W, Chen SH, Song P, Lu Y, Cai YC, Ai L, Chen JX\*. Parasitological and molecular detection of human fascioliasis in a young man from Guizhou, China. Tropical Biomedicine. 2020,37(1): 50-57.
11. **Chen MX**, Ai L, Chen JH, Feng XY, Chen SH, Cai YC, Lu Y, Zhou XN, Chen JX, Hu W\*. DNA Microarray Detection of 18 Important Human Blood Protozoan Species. PLoS Negl Trop Dis. 2016, 10(12):e0005160.
12. Ma J, Sun MM, He JJ, Liu GH, Ai L, **Chen MX\***, Zhu XQ. *Fasciolopsis buski* (Digenea: Fasciolidae) from China and India may represent distinct taxa based on mitochondrial and nuclear ribosomal DNA sequences, Parasit Vectors. 2017, 10(1): 101.
13. **Chen MX**, Chen JX, Chen SH, Huang NA, Ai L, Zhang RL\*. Development of lateral flow immunoassay for antigen detection from human *Angiostrongylus cantonensis* infections. Korean J Parasitol. 2016, 54(3):375-380.
14. **Chen MX**, Hu W, Li J, He JJ, Ai L, Chen JX\*. Identification and characterization of microRNAs in the zoonotic fluke *Fasciolopsis buski*. Parasitol Res. 2016, 115(6):2433-2438.
15. Chen JX, **Chen MX**, Ai L, Xu XN, Jiao JM, Zhu TJ, Su HY, Zang W, Luo JJ, Guo YH, Lv S, Zhou XN\*. An Outbreak of Human *Fascioliasis gigantica* in Southwest China. PLoS One, 2013, 8(8):e71520.（Contributed equally）
16. Chen JX, **Chen MX**, Ai L, Chen JH, Chen SH, Zhang YN, Cai YC, Zhu XQ, Zhou XN\*. A protein microarray for the rapid screening of patients suspected of infection with various food-borne helminthiases. PLoS Negl Trop Dis., 2012, 6(11):e1899.（Contributed equally）
17. **Chen MX**, Ai L, Xu MJ, Zhang RL, Chen SH, Zhang YN, Guo J, Cai YC, Tian LG, Zhang LL, Zhu XQ, Chen JX\*. *Angiostrongylus cantonensis*: identification and characterization of microRNAs in male and female adults. Exp Parasitol., 2011, 128(2):116-120.
18. **Chen MX**, Ai L, Xu MJ, Chen SH, Zhang YN, Guo J, Cai YC, Tian LG, Zhang LL, Zhu XQ, Chen JX\*. Identification and characterization of microRNAs in *Trichinella spiralis* by comparison with *Brugia malayi* and *Caenorhabditis elegans*. Parasitol Res., 2011, 109(3):553-558.
19. **Chen MX**, Ai L, Zhang RL, Xia JJ, Wang K, Chen SH, Zhang YN, Xu MJ, Li X, Zhu XQ, Chen JX\*. Sensitive and rapid detection of *Paragonimus westermani* infection in humans and animals by loop-mediated isothermal amplification (LAMP). Parasitol Res., 2011, 108(5):1193-1198.
20. **Chen MX**, Wang K, Ai L, Yan WH, Peng L, Zhang RL. Development of a double antibody sandwich ELISA assay for the diagnosis of angiostrongyliasis. J Parasitol. 2011, 97(4):721-724.
21. **Chen MX**, Zhang RL, Ai L, Chen JX, Chen SH, Huang DN, Gao ST, Geng YJ, Li XH, Zhu XQ. Seroprevalence of *Angiostrongylus cantonensis* infection in humans in China. J Parasitol. 2011, 97(1):144-145.
22. **Chen MX**, Zhang RL, Chen JX, Chen SH, Li XH, Gao ST, Geng YJ, Huang DN, Ai L, Xu MJ, Zhu XQ. Monoclonal antibodies against excretory/secretory antigens of *Angiostrongylus cantonensis*. Hybridoma (Larchmt). 2010, 29(5):447-452.
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| **荣誉及奖项** |
| **1. 2021年12月，巴贝虫病、疟疾等重要媒传疾病早诊、溯源和防控技术创新与应用，中华预防医学会，中华预防医学科技奖三等奖，主要完成人：周晓农、王恒、郑直、陈家旭、周金林、胡薇、陈木新、程训佳****2. 2022年1月，巴贝虫病、疟疾等重要媒传疾病早诊、溯源和防控技术创新与应用，中华医学会，中华防医学科技奖三等奖，主要完成人：周晓农、王恒、郑直、陈家旭、周金林、胡薇、陈木新、程训佳****3. 2022年8月，中共海南省委员会、海南省人民政府（省级），抗疫表彰，主要完成人：陈木新****4. 2020年3月，中共湖北省委员会、湖北省人民政府（省级），新时代“最美逆行者”称号，主要完成人：陈木新****5. 2018年12月，重大媒传与食源性寄生虫病检测关键技术研究与应用，中华医学会，中华防医学科技奖二等奖，主要完成人：周晓农、陈家旭、胡薇、王恒、汪俊云、陈木新、陈军虎、黄艳、秦志强、余传信****6. 2019年5月，青藏高原棘球蚴病流行地区野外犬科动物驱除措施研究，上海市优秀发明选拔赛组织委员会，优秀发明铜奖，主要完成人：余晴、陈木新、韩帅、刘白雪、宋成玺、梁晓天、徐洪伟、田添、肖宁、周晓农。** |

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| **Profile** | 健教中心-陈木新 |
| **Name：Mu-Xin Chen****Gender：male****Date of birth：3 November, 1982****Degree：PHD****Title：Professor****Email：chenmx@nipd.chinacdc.cn****Address：207 Ruijin Er Road,  Shanghai, China** |
| **Education** |
| **2013/09-2017/01, Fudan University University, Shanghai, China, Biology and medicine, PHD** **2006/09-2009/06, South China Agricultural University, Guangzhou, China, Parasitology, MSc** **2002/09-2006/06, Shaoguan University, Shaoguan, China, biotechnology, BSc**  |
| **Appointments** |
| **2025/06 - present: Deputy Director (in charge), Experimental Animal and Resource Preservation Center; Deputy Director, Health Education and Consulting Center; Professor & Ph.D. Supervisor, National Institute of Parasitic Diseases (IPD) / National Center for Tropical Diseases Research (NCTDR), Chinese Center for Diseases Control and Prevention (China CDC)****2024/11 - 2025/06: Deputy Director, Health Education and Consulting Center; Professor & Master Supervisor, National Institute of Parasitic Diseases (IPD) / National Center for Tropical Diseases Research (NCTDR), Chinese Center for Diseases Control and Prevention (China CDC)****2020/07 - 2024/11: Professor & Master Supervisor, Health Education and Consulting Center, National Institute of Parasitic Diseases (IPD) / National Center for Tropical Diseases Research (NCTDR), Chinese Center for Diseases Control and Prevention (China CDC)****2019/11-2021/08: postdoctoral, associate Professor, Professor, Nanjing Medical University/Shenzhen Center for Disease Control and Prevention, China****2016.7 –2020.6: associate Professor, National Institute of Parasitic Diseases (IPD), Chinese Center for Diseases Control and Prevention (China CDC)****2012.7 –2016.6: Assistant Professor, National Institute of Parasitic Diseases (IPD), Chinese Center for Diseases Control and Prevention (China CDC)****2009.7 –2012.6: research assistant, National Institute of Parasitic Diseases (IPD), Chinese Center for Diseases Control and Prevention (China CDC)** |
| **Academic Participation and Activities** |
| **2025/07 - present: Committee Member, Chinese Medical Association (CMA) Society of Tropical Diseases and Parasitology (2025-)****2025/06 - present: Editorial Board Member, Chinese Journal of Health Education (2025-)****2023/05 - present: Editorial Board Member, Chinese Journal of Schistosomiasis Control (8th Editorial Committee, 2023-)****2024/09 - present: Editorial Board Member, Bulletin of Disease Control and Prevention (2024-)****2022/10 - present: Expert, Health Talent Evaluation Question Bank Development, National Health Commission (NHC) Talent Exchange Service Center (2022-)****2024/09 - present: Committee Member, Tropical Diseases Professional Committee (5th), Chinese Association of Endemic Diseases (2024-)****2021/07 - 2025/06: Committee Member, Vector Control Professional Committee (1st), Chinese Association of Endemic Diseases (2021-2025) (Corrected apparent typo "20251" to "2025")****2019/01 - present: Laboratory Supervision Inspector, Chinese Center for Disease Control and Prevention (China CDC) (2019-)****2012/10 - present: Member, National Health Emergency Response Team; Team Type: Emergency Investigation and Response; Responsibilities: Parasitic Disease Pathogen Detection, Epidemic Situation Assessment (2012-)** |
| **Research Interest** |
| **Research focuses on pathogen biology, primarily engaged in the research of resource conservation, diagnostics, and key prevention and control technologies for important parasitic diseases and tropical diseases. Has secured over 10 scientific research projects as Principal Investigator, including projects funded by the Shanghai Natural Science Foundation and sub-projects under the National Key R&D Program of China. Has published more than 50 papers, filed 30 patent applications (with 6 granted), co-authored 2 monographs, drafted 4 health industry standards, and received 5 provincial/ministerial-level science and technology awards, including the Second Prize of the Chinese Medical Science and Technology Award. Completed the commercialization of one novel mosquito-control agent for infectious disease prevention (technology transfer value: ¥2 million RMB). Participated in COVID-19 epidemic control efforts in Wuhan, Harbin, Hainan, and Hunan, and was awarded the title of "Most Beautiful Defier of the New Era" (2020) by the Hubei Provincial Committee of the Communist Party of China and the Hubei Provincial People's Government.** |
| **Projects** |
| 1. The Three-Year Action Plan for Strengthening the Public Health System of Shanghai (Grant No. GWVI-11.2-XD33) 07/23-06/26 Vector Control Role: PI
2. The Key R&D Program of Hainan Province (Grant No. ZDYF2024SHFZ083) 02/24-02/27 Key Technologies for Transmission, Prevention and Control of Important Foodborne Parasitic Diseases Based on the One Health Concept Role: PI
3. The Natural Science Foundation of Shenzhen (Grant No. JCYJ20210324135207021) 10/21-10/24 Fully Integrated Disc-based Microfluidic Gene Chip Detection Method for Important Vector-borne Blood Protozoa Role: PI
4. The National Key R&D Program of China (Grant No. 2021YFC2300800) 12/21-11/24 Pathogenesis and Prevention/Intervention Technologies for Important Human Parasitic Infections Role: Task Leader & Secretary Group Head
5. The Natural Science Foundation of Shanghai (Grant No. 18ZR1443500) 06/18-05/21 Molecular Mechanism of Monoclonal Antibody 12D5 Inhibiting IL-5 Expression in Encephalitis Caused by *Angiostrongylus cantonensis* Infection in Mice Role: PI
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| **Publications** |
| 1. Zhang B, Xu N, Bian ZR, Zhang C, Li X, Ren XX, Jiang Z, Wu Z, Yu Q, Zheng KY, **Chen MX**\*, Yan C. *Clonorchis sinensis* Infection prevents DSS-induced Colitis Via Lithocholic Acid in a Gut Microbiota-Dependent Manner. Inflammation. 2025 Feb 27.
2. Cai YC, Xu B, Chu YH, Yu YF, Sun JH, Mo ZR, Yang HY, Yan SN, **Chen MX**\*, Chen JX\*. Proteomic Identification and Functional Analysis of *Babesia microti* Reveals Heparin-Binding Proteins. J Trop Med. 2025;2025:8821002.
3. Feng X, Jiang N, Zheng J, Zhu Z, Chen J, Duan L, Song P, Sun J, Zhang X, Hang L, Liu Y, Zhang R, Feng T, Xie B, Wu X, Hou Z, **Chen M**\*, Jiang J\*, Li S\*.Advancing knowledge of One Health in China: lessons for One Health from China's dengue control and prevention programs. Sci One Health. 2024;3:100087.
4. Zhang RJ，Li JZ, Pang HS, Luo ZH,Zhang T, Mo XJ, Yang SJ, Cai YC, Lu Y, Chu YH, Song P, **Chen MX**\*, Ai L, Chen JX. Advances in the study of molecular identification technology of *Echinococcus* species. Tropical Biomedicine, 2022, 39(3): 434-443.
5. **Chen MX**, Huang DN, Chen JX, Huang YL, Zheng HW, Tang YJ, Zhang Q, Chen SH, Ai L, Zhou XN\*, Zhang RL\*. Genetic Characterization and Detection of *Angiostrongylus cantonensis* by Molecular Approaches.Vector-Borne And Zoonotic Diseases，2021.21(9):643-652.
6. **Chen MX**, Ai L, Huang DN, Chen JX, Feng TJ, Mei SJ, Huang YL, Peng B, Zhang SX, Zhang RL\*, Zhou XN\*. Soaring Asymptomatic Infected Individuals Bring About Barriers and Difficulties for Interruption of COVID-19 Prevalence in China. Vector-Borne And Zoonotic Diseases. 2021.21(10):777-784.（IF：2.133）
7. **Chen MX**, Gao ST, Ai L, Chen JX, Feng TJ, Chen ZG, Zhang XM, Deng SY, Lin ZD, Tang YJ, Zhang Q, He GC, Xiong HW, Zhou XN, Zhang RL, Huang DN. The First Reported Case of COVID-19 and *Plasmodium ovale* Malaria Coinfection - Guangdong Province, China, January 2021. China CDC Weekly. 2021, 4:1-2.
8. Xu QM, Fang F, Wu SH, Shi ZQ, Liu Z, Zhao YJ, Zheng HW, Lu GX, Kong HR, Wang GJ, Ai L\*, **Chen MX**\*, Chen JX\*.Dendritic cell TLR4 induces Th1-type immune response against *Cryptosporidium parvum* infection. Tropical Biomedicine. 2021,38(1): 172-179.
9. **Chen MX,** Liu Q, Xue JB, Chen SH, Huang DN, Yu YF, Cai YC, Lu Y, Song P, Zhang RL, Ai L, Chen JX\*.Spreading of Human Babesiosis in China: Current Epidemiological Status and Future Challenges.China CDC Weekly. 2020, 2(33):634-637.
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12. Ma J, Sun MM, He JJ, Liu GH, Ai L, **Chen MX\***, Zhu XQ. *Fasciolopsis buski* (Digenea: Fasciolidae) from China and India may represent distinct taxa based on mitochondrial and nuclear ribosomal DNA sequences, Parasit Vectors. 2017, 10(1): 101.
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15. Chen JX, **Chen MX**, Ai L, Xu XN, Jiao JM, Zhu TJ, Su HY, Zang W, Luo JJ, Guo YH, Lv S, Zhou XN\*. An Outbreak of Human *Fascioliasis gigantica* in Southwest China. PLoS One, 2013, 8(8):e71520.（Contributed equally）
16. Chen JX, **Chen MX**, Ai L, Chen JH, Chen SH, Zhang YN, Cai YC, Zhu XQ, Zhou XN\*. A protein microarray for the rapid screening of patients suspected of infection with various food-borne helminthiases. PLoS Negl Trop Dis., 2012, 6(11):e1899.（Contributed equally）
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| **Honors and Awards** |
| **\*December 2021: Third Prize, Chinese Preventive Medicine Science and Technology Award (ministerial level), Chinese Preventive Medical Association, for Innovation and Application of Early Diagnosis, Tracing, and Prevention & Control Technologies for Important Vector-borne Diseases such as Babesiosis and Malaria. Mainly completed by: Muxin Chen (7th).****\*January 2022: Third Prize, Chinese Medical Science and Technology Award (ministerial level), Chinese Medical Association, for Innovation and Application of Early Diagnosis, Tracing, and Prevention & Control Technologies for Important Vector-borne Diseases such as Babesiosis and Malaria. Mainly completed by: Muxin Chen (7th).****\*August 2022: COVID-19 Response Commendation (provincial level), Hainan Provincial Committee of the Communist Party of China and People's Government of Hainan Province. Mainly completed by: Muxin Chen.****\*March 2020: Title of "Most Beautiful Defier of the New Era" (provincial level), Hubei Provincial Committee of the Communist Party of China and People's Government of Hubei Province. Mainly completed by: Muxin Chen.****\*December 2018: Second Prize, Chinese Medical Science and Technology Award (ministerial level), Chinese Medical Association, for Research and Application of Key Detection Technologies for Major Vector-borne and Food-borne Parasitic Diseases. Mainly completed by: Muxin Chen (6th).****\*May 2019: Bronze Prize, Excellent Inventions Selection Activity (municipal level), Organizing Committee of Shanghai Excellent Inventions Selection, for Research on Deworming Measures for Wild Canids in Echinococcosis-endemic Areas of the Qinghai-Tibet Plateau. Mainly completed by: Muxin Chen (2nd).** |