

# CURRICULUM VITAE

## A. Personal Information

<b>NAME</b> <b>CHEN JIAXU</b>	<b>POSITION TITLE</b> Professor, Chief Center of Health Education, Consultation and Detection, National Institute of Parasitic Diseases, China CDC
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## EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	MM/YY	FIELD OF STUDY
School of medicine, Jiangsu University (Former: Zhenjiang Medical Collage), Zhenjiang, Jiangsu of China	--	Aug, 1984	Clinical medicine
School of Biology & Basic Medical Science, Soochow University (Former: Suzhou Medical Collage), Suzhou, Jiangsu of China	Master	Jul, 1993	Human Parasitology
School of Biology & Basic Medical Science, Soochow University (Former: Suzhou Medical Collage), Suzhou, Jiangsu of China	Ph D.	Jul, 1999	Human Parasitology
National Institute of Parasitic Diseases, Chinese Center for Disease Control and Prevention, Shanghai, China	Post-doctor	Dec. 2002	Pathogenic Biology

## B. Positions and Honors

### Positions and Employment

- 1984.08-1994.04 Technician, Department of Parasitology in Zhenjiang Medical Collage, Zhenjiang, Jiangsu, P.R. China
- 1994.05-2000.04 Lecturer, Department of Parasitology in Zhenjiang Medical Collage, Zhenjiang, Jiangsu, P.R. China
- 2000.05-2000.12 Associate Professor, Department of Parasitology in Zhenjiang Medical Collage, Zhenjiang, Jiangsu, P.R. China
- 2000.12-2002.12 Post-Doctor & Associate Professor, National Institute of Parasitic Diseases, Chinese Center for Disease Control and Prevention, Shanghai, P.R. China
- 2003.01-2010.06 Associate Professor, 2010.07- Professor, National Institute of Parasitic Diseases, Chinese Center for Disease Control and Prevention, Shanghai, P.R. China

### Memberships

Vice Chairman, the Professional Committee of Parasitic Diseases Standard, the National Health Standards Committee. (2014-)

Member, the Council of Shanghai Society for Parasitology(2013-)

Member, Editorial Board for Chinese Journal of Zoonoses(2011-)  
Member, Editorial Board for Chinese Journal of Endemiology(2011-)  
Member, Editorial Board for Chinese Journal of Schistosomiasis Control (2014-)

### C. Selected Peer-reviewed Publications (Selected from peer-reviewed publications since 2010)

#### \*corresponding author

1. L. Ai , S.H. Chen , Y.N. Zhang , X.N. Zhou , H. Li , M.X. Chen , J. Guo , Y.C. Cai , X.Q. Zhu and **J.X. Chen\***. Sequences of Internal Transcribed Spacers and Two Mitochondrial Genes: Effective Genetic Markers for *Metorchis orientalis*. Journal of Animal and Veterinary Advances. 2010;9(18): 2371-2376.
2. Mu-Xin Chen, Ren-Li Zhang, **Jia-Xu Chen**, Shao-Hong chen, Xiao-Heng Li, shi-tong Gao, Yi-Jie Geng, Da-Na Huang, Lin Ai, Min-Jun xu, and Xing-Quan Zhu. Monoclonal Antibodies Against Excretory/ Secretory Antigens of *Angiostrongylus Cantonensis*. Hybridoma (Larchmt). 2010;29(5):447-452.
3. L. Ai ,C.Li, H.M. Elsheikha, S.J.Hong, **J.X. Chen**, S.H. Chen , X. Li , X. Q. Cai, M.X. Chen , X.Q. Zhu and. Rapid identification and differentiation of *Fasciola hepatica* and *fasciola gigantica* by a loop-mediated isothermal amplification (LAMP) assay. Veterinary Parasitology, 2010, 174(3-4):228-233. (SCI IF:2.039)
4. M.X. Chen, **J.X. Chen**, Y. G. Ye, S. T. Gao, Y. J. Geng, D. N. Huang, X. H. Li,R. L. Zhang, X. Q. Zhu and M. J. Xu. Prevalence of Anisakid Larvae in Marine Fishes Sold in Shenzhen, China. Journal of Animal and Veterinary Advances 2010;9(13):1816-1818.
5. Tian Li-guang, Wang Tian-ping, **Chen Jia-xu**, Cai Yu-chun, Yin Xiao-Mei, Cheng Guo-jin, Wu Wei-Duo, Steinmann Peter, Guo Jian, Tong Xiao-mei, Li Lan-hua, Liu Qin, Zhou Li, Wang Feng-Feng, Wang Zhen-Li, Zhou Xiao-nong\*. Co-infection of HIV and parasites in China: Results from an epidemiological survey in rural area. Frontiers of Medicine in China,2010,4(2): 192-198.
6. Chen SH, Liu Q, Zhang YN, **Chen JX**, Li H, Chen Y, Steinmann P, Zhou XN. Multi-host model-based identification of *Armillifer agkistrodontis* (Pentastomida), a new zoonotic parasite from China. PLoS Negl Trop Dis. 2010 Apr 6;4(4):e647
7. Song-Ming Wu, Si-Yang Huang, Bao-Quan Fu, Guang-Yuan Liu, **Jia-Xu Chen**, Mu-Xin Chen, Zi-guo Yuan, Dong-Hui Zhou, Ya-Biao Weng, Xing-Quan Zhu and De-He Ye. Seroprevalence of *Toxoplasma gondii* infection in pet dogs in Lanzhou, Northwest China, Parasites & Vectors, 2011, 4:64, DOI:10.1186/1756-3305-4-64.
8. Steinmann P, Utzinger J, Du ZW, Jiang JY, **Chen JX**, Hattendorf J, Zhou H, Zhou XN.Efficacy of single-dose and triple-dose albendazole and mebendazole against soil-transmitted helminths and *Taenia* spp.: a randomized controlled trial. PLoS One. 2011;6(9):e25003. Epub 2011 Sep 27.
9. Zhou XN, Xu J, Chen HG, Wang TP, Huang XB, Lin DD, Wang QZ, Tang L, Guo JG, Wu XH, Feng T, **Chen JX**, Guo J, Chen SH, Li H, Wu ZD, Peeling RW. Tools to support policy decisions related to treatment strategies and surveillance of *Schistosomiasis japonica* towards elimination.PLoS Negl Trop Dis. 2011 Dec;5(12):e1408. Epub 2011 Dec 20.
10. Rui-Qing Lin, Jian-dong Tang, Dong-Hui Zhou, Hui-Qun Song, Si-Yang Huang, **Jia-xu Chen**, Mu-Xin

- Chen, Han Zhang, Xing-Quan Zhu and Xiao-Nong Zhou. Prevalence of clonorchis sinensis infection in dogs and cats in subtropical southern China. *Parasites & vectors*, 2011;(4):180, doi:10.1186/1756-3305-4-180.
11. L. Ai, Y. B. Weng, h. M. Elsheikha, G. H. Zhao, S. Alasaad, **J. X. Chen**, J. Li, H. L. Li, C. R. Wang, M. X. Chen, R. Q. Lin, X. Q. Zhu. Genetic diversity and relatedness of *Fasciola* spp. isolates from different hosts and geographic regions revealed by analysis of mitochondrial DNA sequences. *Veterinary parasitology*, 2011;181(2-4):329-334.
  12. M. X. Chen, L. ai, M. J. Xu, S. H. Chen, Y. N. Zhang, J. Guo, Y. C. Cai, L. g. Tian, L. L. Zhang, X. Q. Zhu, **J. X. Chen\***. Identification and characterization of microRNAs in *Trichinella spiralis* by comparison with *Brugia malayi* and *Caenorhabditis elegans*. *Parasitol Res*, 2011;(109):553-558. DOI 10.1007/s00436-011-2283-x.
  13. Mu-Xin Chen, Ren-Li Zhang, Lin Ai, **Jia-Xu Chen**, Shao-Hong Chen, Da-Na Huang, Shi-tong Gao, Yi-Jie Geng, Ziao-Heng Li, and Xing-Quan Zhu. Seroprevalence of *Angiostrongylus cantonensis* Infection in Humans in China. *J. Parasitol.*, 2011;97(1):144-145.
  14. M.X. Chen, L. Ai, R. L. Zhang, J.J. Xia, K. Wang, S.H. Chen, Y.N. Zhang, M.J. Xu, X. Li, X. Q. Zhu, **J. X. Chen\***. 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. (May 2011) DOI: 10.1007/s00436-010-2162-x.
  15. Xu J, Peeling RW, **Chen JX**, Wu XH, Wu ZD, Wang SP, Feng T, Chen SH, Li H, Guo JG, Zhou XN. Evaluation of immunoassays for the diagnosis of *Schistosoma japonicum* infection using archived sera. *PLoS Negl Trop Dis*. 2011 Jan 18;5(1):e949.
  16. Yaoyu Feng, Xukun Zhao, **Jiaxu Chen**, Wei Jin, Xiaonong Zhou, Na Li, Lin Wang, and Lihua Xiao. Occurrence, Source, and Human Infection potential of *Cryptosporidium* and *Giardia* spp. In Source and Tap Water in Shanghai, China. *Applied and Environmental Microbiology*, 2011;77:3609-3636.doi:10.1128/AEM.00146-11
  17. Lin Ai, Mu-Xin Chen, Samer Alasaad, Hany M Elsheikha, Juan Li, Hai-Long Li, Rui-Qing Lin, Feng-Cai Zou, Xing-Quan Zhu\* and **Jia-Xu Chen\***. Genetic characterization, species differentiation and detection of *Fasciola* spp. By molecular approaches. *Parasites & Vectors*, 2011,4:101, DOI:10.1186/1756-3305-4-101.
  18. Mu-Xin Chen, Lin. Ai, Min-Jun Xu, Ren-Li Zhang, Shao-Hong Chen, Yong-Nian Zhang, Jian Guo, Yu-chun Cai, Li-Guang Tian, Ling-Ling Zhang, Xing-Quan Zhu, **Jia-Xu Chen\***. *Angiostrongylus cantonensis*: Identification and characterization of microRNAs in male and female adults, *Experimental Parasitol* 2011,128:116-120.
  19. 100Y.H Chu, J.X Chen, L.Ai, Y.C Cai, Y.L, J.Li, G.S He, S.H Chen\*. Detection of *Cryptosporidium* species in feces from snakes. *Journal of Animal and Veterinary Advances*, 2012, 11 (21) : 4030—4033
  20. 75 L. Ai & M. J. Xu & M. X. Chen & Y. N. Zhang & S. H. Chen & J. Guo & Y. C. Cai & X. N. Zhou & X. Q. Zhu & **J. X. Chen\***. Characterization of microRNAs in *Taenia saginata* of zoonotic significance by Solexa deep sequencing and bioinformatics analysis. *Parasitol Res* (2012) 110:2373–2378
  21. Tian LG, **Chen JX**, Wang TP, Cheng GJ, Steinmann P, Wang FF, Cai YC, Yin XM, Guo J, Zhou L, Zhou XN. Co-infection of HIV and intestinal parasites in rural area of China. *Parasit Vectors*. 2012 Feb 13;5:36.
  22. Solomon AW, Engels D, Bailey RL, Blake IM, Brooker S, **Chen JX**, Chen JH, Churcher TS, Drakeley CJ, Edwards T, Fenwick A, French M, Gabrielli AF, Grassly NC, Harding-Esch EM, Holland MJ, Koukounari A, Lammie PJ, Leslie J, Mabey DC, Rhajaoui M, Secor WE, Stothard JR, Wei H, Willingham AL, Zhou XN, Peeling RW. A diagnostics platform for the integrated mapping, monitoring, and surveillance of neglected

tropical diseases: rationale and target product profiles. PLoS Negl Trop Dis. 2012 Jul;6(7):e1746. Epub 2012 Jul 31.

23. Cai YC, Guo J, Chen SH, Tian LG, Steinmann P, Chen MX, Li H, Ai L, **Chen JX\***. Chicken egg yolk antibodies (IgY) for detecting circulating antigens of *Schistosoma japonicum*. *Parasitol Int*. 2012;61(3):385-390.
24. S.H.Chen, L.Ai, Y.C. Cai, Y.N. Zhang, G.S. He and J.X.Chen. A Diagnosis of *Cryptosporidium suis* Infection of Baird's Tapir. *Journal of Animal and Veterinary Advances*, 2012;11(5):627-630.
25. Chen JH, Wang H, **Chen JX**, Bergquist R, Tanner M, Utzinge J, Zhou XN. Frontiers of parasitology research in the People's Republic of China: infection, diagnosis, protection and surveillance. *Parasit Vectors*. 2012 Oct 4;5(1):221. [Epub ahead of print]
26. **Jia-Xu Chen**, Mu-Xin Chen, Lin Ai1, Jun-Hu Chen, Shao-Hong Chen, Yong-Nian Zhang, Yu-Chun Cai1, Xing-Quan Zhu, Xiao-Nong Zhou\*. A Protein Microarray for the Rapid Screening of Patients Suspected of Infection with Various Food-Borne Helminthiasis. *PLoS Negl Trop Dis*, 2012; 6(11): e1899. doi:10.1371/journal.pntd.0001899
27. H. Li, S. H. Chen, Y. N. Zhang, L. Ai, **J. X. Chen\***. A Human Case Report of *Diphyllobothrium latum* at Shanghai, China. *Journal of Animal and Veterinary Advances* 2012; 11 (17) : 3073-3075.
28. L. Ai, M.X. Chen, S.H. Chen, Y.N. Zhang, H. Li, C. Cai, Y. Lu, L. G. Tian, X. N. Zhou and **J. X. Chen\***. Characterization of MicroRNAs in *Paragonimus westermani* by Solexa Deep Sequencing and Bioinformatics Analysis. *Journal of Animal and Veterinary Advances* 2012; 11 (18) : 3469-3473.
29. Shan Lv, Li-guang Tian, Qin Liu, Meng-Bao Qian, Qing Fu, Peter Steinmann, **Jia-xu Chen**, Guojing Yang, Kun Yang, Xiao-Nong Zhou \*. Water-related parasitic diseases in the People's Republic of China. *INT J ENV RES PUB HE (International Journal of Environmental Research and Public Health)*. 2013; 10, 1977-2016; doi:10.3390/ijerph10051977
30. **Chen J-X**, Chen M-X, Ai L, Xu X-N, Jiao J-M, Zhu T-J, Su H-Y, Zang W, Luo J-J, Guo Y-H, Lv S, Zhou X-N. An Outbreak of Human *Fascioliasis gigantica* in Southwest China. *PLoS ONE*, 2013; 8(8): e71520. doi:10.1371/journal.pone.0071520
31. Li-Guang Tian, Tian-Ping Wang, Shan Lv, Feng-Feng Wang, Jian Guo, Xiao-Mei Yin, Yu-Chun Cai, Mary Kathryn Dickey, Peter Steinmann and **Jia-Xu Chen\***. HIV and intestinal parasite co-infections among a Chinese population: an immunological profile. *Infectious Diseases of poverty* 2013, 2:18
32. Shan Lv, Li-guang Tian, Qin Liu, Meng-Bao Qian, Qing Fu, Peter Steinmann, **Jia-xu Chen**, Guojing Yang, Kun Yang, Xiao-Nong Zhou \*. Water-related parasitic diseases in the People's Republic of China. *INT J ENV RES PUB HE (International Journal of Environmental Research and Public Health)*. 2013; 10, 1977-2016; doi:10.3390/ijerph10051977
33. **Chen J-X**, Chen M-X, Ai L, Xu X-N, Jiao J-M, Zhu T-J, Su H-Y, Zang W, Luo J-J, Guo Y-H, Lv S, Zhou X-N. An Outbreak of Human *Fascioliasis gigantica* in Southwest China. *PLoS ONE*, 2013; 8(8): e71520. doi:10.1371/journal.pone.0071520
34. Li-Guang Tian, Tian-Ping Wang, Shan Lv, Feng-Feng Wang, Jian Guo, Xiao-Mei Yin, Yu-Chun Cai, Mary Kathryn Dickey, Peter Steinmann and **Jia-Xu Chen\***. HIV and intestinal parasite co-infections among a Chinese population: an immunological profile. *Infectious Diseases of poverty* 2013, 2:18
35. Li XX, **Chen JX**, Wang LX, Tian LG, Zhang YP, Dong SP, Hu XG, Liu J, Wang FF, Wang Y, Yin

- XM, He LJ, Yan QY, Zhang HW, Xu BL, Zhou XN. Intestinal Parasite Co-infection among Pulmonary Tuberculosis Cases without Human Immunodeficiency Virus Infection in a Rural County in China. *Am J Trop Med Hyg.* 2014, 90(1):106–113.
36. Yu-Chun Cai, Jun-Fang Xu, Peter Steinmann, Shao-Hong Chen, Yan-Hong Chu, Li-Guang Tian, Mu-Xin Chen, Hao Li, Yan Lu, Ling-Ling Zhang, Yang Zhou and **Jia-Xu Chen\***. Field comparison of circulating antibody assays versus circulating antigen assays for the detection of schistosomiasis japonica in endemic areas of China. *Parasites & Vectors.* 2014,7:138. Doi:10.1186/1756-3305-7-138
37. Xin-Xu Li, Li-Xia Wang, Juan Zhang, Yun-Xia Liu, Hui Zhang, Shi-Wen Jiang, **Jia-Xu Chen**, Xiao-Nong Zhou. Exploration of ecological factors related to the spatial heterogeneity of tuberculosis prevalence in P. R. China. : *Glob Health Action* 2014, 7: 23620 -<http://dx.doi.org/10.3402/gha.v7.23620>.
38. Shaohong Chen, Lin Ai, Yongnian Zhang, **Jiaxu Chen**, Weizhe Zhang<sup>1</sup>, Yihong Li, Maki Muto<sup>1</sup>, Yasuyuki Morishima, Hiromu Sugiyama, Xuenian Xu<sup>1</sup>, Xiaonong Zhou<sup>1</sup>, and Hiroshi Yamasaki<sup>1</sup>. Molecular Detection of *Diphyllbothrium nihonkaiense* in Humans, China. *Emerg Infect Dis.* Feb 2014; 20(2): 315–318 Edoi: 10.3201/eid2002.121889