



**Prof. Xi Sun**

Professor

Sun Yat-sen University, China

Xi Sun has completed her M.D in 2004 from Wannan medical college and her Ph.D in 2011 from Zhongshan school of Medicine in Sun Yat-sen University in China. Now she is an associate professor in the Department of Parasitology, Zhongshan School of Medicine in Sun Yat-sen University. She has published more than 20 papers and currently works on the interaction of host and parasite.

Published papers as the first author or corresponding author:

1. Sun X#, Liu YH, Lv ZY, Yang LL, Hu SM, Zheng HQ, Hu W, Cao JP, Fung MQ, Wu ZD\*. rSj16, a recombinant protein of Schistosoma japonicum-derived molecule, reduces severity of the complete Freund's adjuvant-induced adjuvant arthritis in rats' model. Parasite Immunol. 2010 Nov-Dec;32(11-12):739-48.
2. Yuan SX#, Sun X#, Liu JL, Zhang SY, Xu XK, Zheng MG, Wang K, Li FC\*. Antitumor Efficacy of a Photodynamic Therapy-Generated Dendritic Cell Glioma Vaccine. Medical Oncology. 2010; Dec;28 Suppl 1:S453-61.
3. Yang F, Sun X#, Shen J, Yu LP, Liang JY, Zheng HQ, Wu ZD. A recombinant protein (rSj16) derived from Schistosoma japonicum induces cell cycle arrest and apoptosis of murine myeloid leukemia cells. Parasitol Res. 2013 Mar;112(3):1261-72.
4. Sun X#, Lv Z, Peng H, Fung M, Yang L, Yang J, Zheng H, Liang J, Wu Z\*. Effects of a recombinant schistosomal-derived anti-inflammatory molecular (rSj16) on the lipopolysaccharide (LPS)-induced activated RAW264.7. Parasitol Res. 2012 Jun;110(6):2429-37
5. Liu LH#, He HJ#, Lv ZY, Wei J, Zeng X, Liang JY, Zheng HQ, Yu XB, Sun X\*, Wu ZD\*. The mRNA level of the galectin-10 of Angiostrongylus cantonensis induced by reactive oxygen stress. Parasitol Res. 2013 Mar;112(3):933-43.
6. Li Z#, Chen X#, Zen X, Liang J, Wei J, Lv Z, Sun X\*, Wu ZD\*. MicroRNA expression profile in the third- and fourth-stage larvae of Angiostrongylus cantonensis. Parasitol Res. 2014 May;113(5):1883-96. doi: 10.1007/s00436-014-3836-6. Epub 2014 Apr 3.

7. Shen J#, Xu L, Liu Z, Li N, Wang L, Lv Z, Fung M, Wu Z\*, Sun X\*. Gene expression profile of LPS-stimulated dendritic cells induced by a recombinant Sj16 (rSj16) derived from *Schistosoma japonicum*. *Parasitol Res.* 2014 Aug;113(8):3073-83.
8. Chen X#, Li ZY, Maleewong W, Maleewong P, Liang J, Zeng X, Zheng H, Wu ZD\*, Sun X\*. Serum aca-mir-146a is a potential biomarker for early diagnosis of *Angiostrongylus cantonensis* infection. *Parasitol Res.* 2014 Sep;113(9):3221-7. doi: 10.1007/s00436-014-3984-8. Epub 2014 Jun 21.
9. Liu Z, Wu Y, Feng Y, Wu F, Liu RF, Wang LF, Liang JY, Liu JH, Sun X\*, Wu Z\*. Spleen atrophy related immune system changes attributed to infection of *Angiostrongylus cantonensis* in mouse model. *Parasitol Res.* 2017 Feb;116(2):577-587.
10. An Ning#, Xiaoying Wu#, Hongyu Li, Jinyi Liang, Zulu Gao, Jia Shen, Zhen Liu, JunXu, Fei Hu, Feng Wu, Pengyu Ji, Zhongdao Wu, Xi Sun\*. Abnormal of Liver function in different patients with *Schistosomiasis japonica*. *Parasitol Res.* 2015 Jan;114(1):85-90.
11. Wang L#, Li Z, Shen J, Liu Z, Liang J, Wu X, Sun X\*, Wu Z\*. Exosome-like vesicles derived by *Schistosoma japonicum* adult worms mediates M1 type immune- activity of macrophage. *Parasitol Res.* 2015 May;114(5):1865-73. doi: 10.1007/s00436-015-4373-7.
12. Li N#, Ji PY, Song LG, Lei JX, Lv ZY, Wu ZD, Shao X\*, Sun X\*. The expression of molecule CD28 and CD38 on CD4<sup>+</sup>/CD8<sup>+</sup> T lymphocytes in thymus and spleen elicited by *Schistosoma japonicum* infection in mice model. *Parasitol Res.* 2015 Aug;114(8):3047-58. doi: 10.1007/s00436-015-4507-y.
13. Peng H#, Zhang Q#, Li X, Liu Z, Shen J, Sun R, Wei J, Zhao J, Wu X, Feng F, Zhong S, Sun X\*, Wu Z\*. IL-33 Contributes to *Schistosoma japonicum*-induced Hepatic Pathology through Induction of M2 Macrophages. *Sci Rep.* 2016 Jul 21;6:29844. doi: 10.1038/srep29844.
14. Sun X#\*, Yang F#, Shen J, Liu Z, Liang J, Zheng H, Fung M, Wu Z\*. Recombinant Sj16 from *Schistosoma japonicum* contains a functional N-terminal nuclear localization signal necessary for nuclear translocation in dendritic cells and interleukin-10 production. *Parasitol Res.* 2016 Dec;115(12):4559-4571.
15. Chen AL#, Sun X#, Wang W, Liu JF, Zeng X, Qiu JF, Liu XJ, Wang Y\*. Activation of the hypothalamic-pituitary-adrenal (HPA) axis contributes to the immunosuppression of mice infected with *Angiostrongylus cantonensis*. *J Neuroinflammation.* 2016 Oct 12;13(1):266.

16. Sun X#, Wang LF#, Feng Y#, Xie H, Zheng XY, He A, Karim MR, Lv ZY\*, Wu ZD\*. A case report: A rare case of infant gastrointestinal canthariasis caused by larvae of *Lasioderma serricornis* (Fabricius, 1792) (Coleoptera: Anobiidae). *Infect Dis Poverty*. 2016 May 3;5:34. (IF: 2.13)
17. Wu F#, Wei J, Liu Z, Zeng X, Yu Z, Lv Z, Sun X\*, Wu Z\*. Soluble antigen derived from IV larva of *Angiostrongylus cantonensis* promotes chitinase-like protein 3 (Chi3) expression induced by interleukin-13. *Parasitol Res*. 2016 Oct;115(10):3737-46. (IF: 2.027)
18. Wang LF#, Xu L, Luo SQ, Xie H, Chen W, Wu ZD\*, Sun X\*. Diagnosis of *Strongyloides stercoralis* by morphological characteristics combine with molecular biological methods. *Parasitol Res*, 2017;116(4): 1159-1163.
19. Liu Z, Su DM, Yu ZL, Wu F, Liu RF, Luo SQ, Lv ZY, Zeng X, Sun X\*, Wu ZD\*. Soluble antigens from the neurotropic pathogen *Angiostrongylus cantonensis* directly induce thymus atrophy in a mouse model. *Oncotarget*, 2017,8(30):48575-48590.
20. Wang L, Xie H, Xu L, Liao Q, Wan S, Yu Z, Lin D, Zhang B, Lv Z, Wu Z\*, Sun X\*. rSj16 Protects against DSS-Induced Colitis by Inhibiting the PPAR- $\alpha$  Signaling Pathway. *Theranostics*. 2017 Aug 15;7(14):3446-3460.
21. Wang L, Yu Z, Wan S, Wu F, Chen W, Zhang B, Lin D, Liu J, Xie H, Sun X\*, Wu Z\*. Exosomes Derived from Dendritic Cells Treated with *Schistosoma japonicum* Soluble Egg Antigen Attenuate DSS-Induced Colitis. *Front Pharmacol*. 2017 Sep 14;8:651.
22. Wu Z, Wang L, Tang Y, Sun X\*. Parasite-Derived Proteins for the Treatment of Allergies and Autoimmune Diseases. *Front Microbiol*. 2017 Nov 7;8:2164.
24. Zhang B, Wang L, Liu J, Xu L, Song L, Wu X, Sun X\*, Wu Z\*. Case report: A rare case of urinary myiasis induced by the fourth instar larvae of *Telmatoscopus albipunctatus*. *PLoS Negl Trop Dis*. 2017 Dec 7;11(12):e0006016.
23. Wan S#, Sun X#, Wu F#, Yu Z, Wang L, Lin D, Li Z, Wu Z\*, Sun X\*. Chi3l3: a potential key orchestrator of eosinophil recruitment in meningitis induced by *Angiostrongylus cantonensis*. *J Neuroinflammation*. 2018 Feb 2;15(1):31. doi: 10.1186/s12974-018-1071-2.