

【Info】

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【Education】

2010.08 - 2015.07 PhD. Academy of Military Medical Sciences. *Bioinformatics*
2006.08 - 2010.07 BSc. Tsinghua University. *Computer Science and Technology*

【Experience】

2015.08 - Present Assistant Researcher. Academy of Military Medical Sciences

【Awards】

2011 - 2014 Postgraduate Scholarships in Academy of Military Medical Sciences
2015 Excellent Doctor Degree Dissertation in Academy of Military Medical Sciences

【Research Area】

Integrated analysis of multi-omics, big data and biological network models.

Focus on the variation and conservation of genetic information from DNA sequences (1D, linear) to genome architecture (3D, multiplex) during the cell cycle (spatial, temporal) and evolution.

【Skills】

1. Excellent understanding of bioinformatics, human genomics and different genome sequencing platforms. More than 5 years' experience with omics data generated from next generation sequencing. Familiar with common databases and tools.
2. Good knowledge of C++, Java, scripting languages (Perl, Python) and mathematics tools (R,

Matlab). Basic knowledge of MySQL. Experience in system management in a Linux environment.

3. Fluent in reading, writing and speaking Chinese and English.
4. Excellent communication and interpersonal skills, team working and self-driven.

【Publications】

1. **Shen W**¹, Wang D, Ye B, Shi M, Ma L, Zhang Y^{*}, Zhao Z^{*}. GC3-biased gene domains in mammalian genomes. *Bioinformatics*. 2015, 31(19):3081-3084. (IF=5.8)
2. **Shen W**¹, Wang D, Ye B, Shi M, Zhang Y^{*}, Zhao Z^{*}. A possible role of Drosophila CTCF in mitotic bookmarking and maintaining chromatin domains during the cell cycle. *Biological Res*. 2015, 48:27. (IF=1.3)
3. Zhang Y¹, **Shen W**¹, Shi M¹, Zhang L, Zhang Z, Li P, Xing LY, Luo F, Sun Q^{*}, Zheng X, Yang X^{*}, Zhao Z^{*}. Involvement of aberrant miR-139/Jun feedback loop in human gastric cancer. *Biochim Biophys Acta*. 2015, 1853(2):481-488. (Co-first author, IF=5.3)
4. Ye B¹, **Shen W**, Wang D, Li P, Zhang Z, Shi M, Zhang Y, Zhang F^{*}, Zhao Z^{*}. ZNF143 is involved in CTCF-mediated chromatin interactions by cooperation with cohesin and other partners. *Mol Biol*. 2016, 50(3):496-503. (IF=0.6)
5. Zhang Z¹, Zhang Y, Shi M, Ye B, **Shen W**, Li P, Xing L, Zhang X, Hou L, Xu J^{*}, Zhao Z^{*}, Chen W^{*}. Anthrax Susceptibility: Human Genetic Polymorphisms Modulating ANTXR2 Expression. *Toxins*. 2016, 8(1). (IF=3.6)
6. Zhang Y¹, Fan K¹, Sun Q^{1,*}, Chen A, **Shen W**, Zhao Z, Zheng X^{*}, Yang X^{*}. Functional screening for miRNAs targeting Smad4 identified miR-199a as a negative regulator of TGF- β signalling pathway. *Nucleic Acids Res*. 2012, 40(18):9286-9297. (IF=9.2)