

## 【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.

## 【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**<sup>1</sup>, Wang D, Ye B, Shi M, Ma L, Zhang Y<sup>\*</sup>, Zhao Z<sup>\*</sup>. GC3-biased gene domains in mammalian genomes. *Bioinformatics*. 2015, 31(19):3081-3084. (IF=5.8)
2. **Shen W**<sup>1</sup>, Wang D, Ye B, Shi M, Zhang Y<sup>\*</sup>, Zhao Z<sup>\*</sup>. 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 Y<sup>1</sup>, **Shen W**<sup>1</sup>, Shi M<sup>1</sup>, Zhang L, Zhang Z, Li P, Xing LY, Luo F, Sun Q<sup>\*</sup>, Zheng X, Yang X<sup>\*</sup>, Zhao Z<sup>\*</sup>. 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 B<sup>1</sup>, **Shen W**, Wang D, Li P, Zhang Z, Shi M, Zhang Y, Zhang F<sup>\*</sup>, Zhao Z<sup>\*</sup>. 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 Z<sup>1</sup>, Zhang Y, Shi M, Ye B, **Shen W**, Li P, Xing L, Zhang X, Hou L, Xu J<sup>\*</sup>, Zhao Z<sup>\*</sup>, Chen W<sup>\*</sup>. Anthrax Susceptibility: Human Genetic Polymorphisms Modulating ANTXR2 Expression. *Toxins*. 2016, 8(1). (IF=3.6)
6. Zhang Y<sup>1</sup>, Fan K<sup>1</sup>, Sun Q<sup>1,\*</sup>, Chen A, **Shen W**, Zhao Z, Zheng X<sup>\*</sup>, Yang X<sup>\*</sup>. Functional screening for miRNAs targeting Smad4 identified miR-199a as a negative regulator of TGF- $\beta$  signalling pathway. *Nucleic Acids Res*. 2012, 40(18):9286-9297. (IF=9.2)