

## Xue-Yan He

Postdoctoral fellow

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## EDUCATION

2008 to 2015      Ph.D. in Biology, Model Animal Research Center,  
Nanjing University, China

## PUBLICATIONS

Fein, M.R.\*, **He, X.Y.\***, Almeida, A.S., Bružas, E., Pommier, A., Eberhardt, A., Fearon, D.T., Wilkinson, J.E., dos Santos, C.O., Egeblad, M. Cancer cell CCR2 orchestrates suppression of the adaptive immune response. (revised) bioRxiv 390187; doi: <https://doi.org/10.1101/390187>. \* co-first author

**He, X.Y.**, Xiang, C., Zhang, C.X., Xie, Y.Y., Chen, L., Zhang, G.X., Lu, Y., and Liu, G. (2015). p53 in the Myeloid Lineage Modulates an Inflammatory Microenvironment Limiting Initiation and Invasion of Intestinal Tumors. *Cell reports* 13, 888-897.

**He, X.Y.**, Li, Y.J., Kalyanaraman, C., Qiu, L. L., Chen, C., Xiao, Q., Liu, W. X., Zhang, W., Yang, J. J., Chen, G., et al. (2016). GluA1 signal peptide determines the spatial assembly of heteromeric AMPA receptors. *Proceedings of the National Academy of Sciences of the United States of America* 113, E5645-5654.

Huang, Y.H., Klingbeil, O., **He, X.Y.**, Wu, X.S., Arun, G., Lu, B., et al. POU2F3 is a master regulator of a tuft cell like variant of small cell lung cancer. *Genes and development*. 2018;32(13-14):915-28.

Zhang, Q., **He, X.**, Chen, L., Zhang, C., Gao, X., Yang, Z., and Liu, G. (2012). Synergistic regulation of p53 by Mdm2 and Mdm4 is critical in cardiac endocardial cushion morphogenesis during heart development. *The Journal of pathology* 228, 416428.

Chen, J., Du, Y., **He, X.**, Huang, X., and Shi, Y. S. (2017). A Convenient Cas9-based Conditional Knockout Strategy for Simultaneously Targeting Multiple Genes in Mouse. *Scientific Reports* 7, 517.

## FELLOWSHIP

2017 - 2020: New York State grant (contract number C150158).

## RESEARCH EXPERIENCE

2016 – Present      Postdoctoral Fellow with Dr. Mikala Egeblad  
Cold Spring Harbor Laboratory, NY, USA

- ✓ Interactions/Signaling pathways between tumor cells and tumor stroma cells

2014 – 2016      Postdoctoral Fellow with Dr. Yun S. Shi  
Model Animal Research Center, Nanjing University, China

- ✓ Investigating the stoichiometry and assembly of heteromeric AMPA receptors

2008 – 2015      Ph.D. Student with Dr. Geng Liu  
Model Animal Research Center, Nanjing University, China

- ✓ Investigated the role of p53/MDM2-MDM4 network in myeloid lineage during inflammation associated intestinal tumorigenesis
- ✓ Investigated the role of p53/MDM2-MDM4 network in tumor microenvironment during breast cancer progression
- ✓ Investigated the synergistic regulation of p53 by Mdm2 and Mdm4 in cardiac endocardial cushion morphogenesis during heart development

## INVITED TALKS AND PRESENTATIONS

“Regulation of p53/MDM2-MDM4 Network in Myeloid Lineage Affects Tumorigenesis and Tumor Progression,” presented at Nanjing Drum Tower Hospital, the Affiliated Hospital of Nanjing University Medical School, on November 27<sup>th</sup>, 2013, Nanjing, China.

“Regulation of p53/MDM2-MDM4 Network in Myeloid Lineage Affects Tumorigenesis and Tumor Progression,” presented at Annul Retreat of Model Animal Research Center, on October 27<sup>th</sup>, 2013, Yangzhou, China.

## CONFERENCE/PUBLISHED ABSTRACTS

**Xueyan He**, Chenxi Zhang, Qin Zhang and Geng Liu. (2012) Role of myeloid specific activation of p53 in regulating intestinal tumorigenesis in mice. The Role of Inflammation during Carcinogenesis, Keystone Symposia on Molecular and Cellular Biology.

**He XY**, Fein MR, Almeida AS, Bružas E, Maiorino L, Pommier A, Eberhardt A, Wilkinson JE, dos Santos C, Egeblad M. Targeting cancer cell CCR2 enhances synergistic immune surveillance in breast cancer [abstract]. in: Advances in Modeling Cancer in Mice: Technology, Biology, and Beyond; 2017 Sep 24-27, Orlando, Florida. AACR; 2017. Abstract nr B42.