

Haining Chen

The Graduate Field of Biochemistry, Molecular, and Cell Biology (BMCB)
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EDUCATION AND ACADEMIC BACKGROUND

- **Graduate:** Department of Molecular, Cellular, and Integrative Biosciences (MCIBS), Penn State University (2018-2020)
- **BS:** Microbiology, Shandong University, China (2014-2018)

RESEARCH AND PROFESSIONAL EXPERIENCE

Graduate Research

1. Develop a novel ChIP-exo technique to barcode chromatin prior to ChIP in order to allowing experimental scale up. Sponsor Dr. B Franklin Pugh. Penn State University
2. Using ChIP-exo as well as other biochemistry methods to get mammalian epigenome map. Sponsor Dr. B Franklin Pugh. Penn State University

Undergraduate Research

1. 07/2017-05/2018 Structure analysis of a protein containing a pzp domain and functional interaction with histone substrates. Sponsor Dr. Li Haitao. Tsinghua University.
2. 05/2016-04/2017 Functional Assignment of Multiple ESCRT-III Homologs in Cell Division and Budding in *Sulfolobus Islandicus*. Sponsor Dr. Yulong Shen. Shandong University.
3. 07/2016-08/2016 The Target Signals of Msp1 in Yeast. Sponsor Dr. Jiang Hui. National Institute of Biological Sciences Beijing.
4. 07/2015-08/2015 Panda Feeder in Jinan Zoo. Shandong Province, China.

RESEARCH PUBLICATIONS

1. Liu, J., Gao, R., Li, C., Ni, J., Yang, Z., Zhang, Q. **Chen, H.**, Shen, Y. (2017). Functional assignment of multiple ESCRT-III homologs in cell division and budding in *Sulfolobus islandicus*. *Molecular microbiology*, 105(4), 540-553.
2. Poster "Bar-ChIP-exo: High-throughput ChIP-exo for large-scale DNA-binding proteins studies" at MCIBS and Pathobiology Retreat 2019. 20/8/2019
3. Poster "Bar-ChIP-exo: High-throughput ChIP-exo for large-scale DNA-binding proteins studies" at Annual Center for Eukaryotic Gene Regulation retreat 12/10/2019

4. Presentation “Bar-ChIP-exo: High-throughput ChIP-exo for large-scale DNA-binding proteins studies” Megameeting in Center for Eukaryotic Gene Regulation 05/11/2019
5. Presentation “High-throughput Chip-exo by nuclei barcoding” Megameeting in Center for Eukaryotic Gene Regulation 03/03/2020

EXTRACURRICULAR ROLES

Leadership

1. 09/2015-01/2016 Head, Video Diary Column of Shandong University Broadcasting and TV Station
 - Served as a lubricant between members and sections to make this column run smoothly and produced video diaries according to what I covered on campus.

Honors

1. 09/2015 Excellent Student of Shandong University
2. 09/2015 Second-class Scholarship of Shandong University