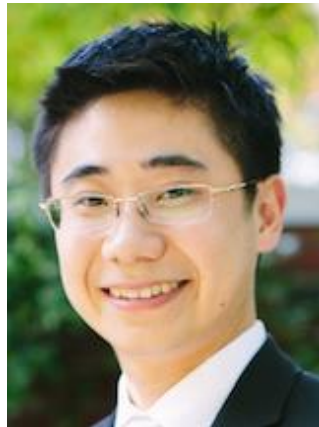


# DR. HAO WU

*Postdoc: 2010-2015*



## CURRENT POSITION

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Assistant Professor of Genetics at UPenn (Philadelphia, PA)

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## PUBLICATIONS

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**Wu H**, Coskun V, Tao J, Xie W, Ge W, Yoshikawa K, Li E, Zhang Y, Sun YE (2010).

[Dnmt3a-dependent nonpromoter DNA methylation facilitates transcription of neurogenic genes.](#) *Science* 329, 444-448. PMID: 20651149

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[functions of Tet1 in transcriptional regulation in mouse embryonic stem cells.](#) *Nature* 473(7347):389-393. (\* authors contributed equally)

**Wu H**, D'Alessio AC, Ito S, Wang Z, Cui K, Zhao K, Sun YE, Zhang Y (2011) [Genome-wide](#)

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- Wu H**, Zhang Y (2012). [Early embryos reprogram DNA methylation in two steps](#). *Cell Stem Cell* 10(5):487-489.
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- Shen L, **Wu H**, Diep D, Yamaguchi S, D'Alessio A, Fung H, Zhang K, Zhang Y (2013). [Genome-wide analysis reveals TET- and TDG-dependent 5-methylcytosine oxidation dynamics](#). *Cell* 153(3):692–706.
- Wu H**, Zhang Y. (2014). [Reversing DNA Methylation: Mechanisms, Genomics, and Biological Functions](#). *Cell* 156(1-2):45-68.
- Wu H**, Wu X, Shen L, Zhang Y (2014). [Single-base resolution analysis of active DNA demethylation using methylase-assisted bisulfite sequencing](#). *Nat Biotechnol.* 32(12):1231–1240.
- Wu H**, Zhang Y (2015). [Charting oxidized methylcytosines at base resolution](#). *Nat Mol Struct Bio* 22(9):656-61
- Tao J, **Wu H**, Coronado AA, de Laittre E, Osterweil EK, Zhang Y, Bear MF (2016) [Negative Allosteric Modulation of mGluR5 Partially Corrects Pathophysiology in a Mouse Model of Rett Syndrome](#). *J Neuroscience*, 36(47):11946-11958.
- Wu H**, Wu X, Zhang Y (2016). [Base-resolution profiling of active DNA demethylation using MAB-seq and caMAB-seq](#). *Nature Protocols* 11(6):1081-1100.