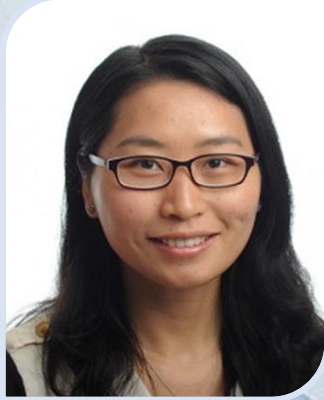




系列学术报告(十七)

Chromatin Control of Transcription and Cellular Differentiation



报告人：邓伍兰博士

时间：6月6日 10:00-11:00

地点：医学院综合楼205

主持人：王迪教授

Dr. Deng is currently a Research Associate mentored by Prof. Robert Tjian at Howard Hughes Medical Institute and the Department of Molecular and Cell Biology at UC-Berkeley. She was a Research Specialist in the Transcription Imaging Consortium led by multiple PIs at the Janelia research campus of HHMI from 2013 to 2016. She obtained her Ph.D. in Molecular and Cell Biology in the Department of Biology at the University of Pennsylvania, and B.S. in Biological Sciences from Peking University. Dr. Deng's research is focused on transcription regulation mechanisms in development and disease. She studied the regulatory mechanisms of long-range chromatin interaction, engineered CRISPR/Cas9 for DNA labeling, and more recently studied single-molecule dynamics of transcription factor during hESC cell differentiation (unpublished). Her research has resulted multiple publications on *Cell*, *PNAS*, *Blood*, etc.

1. **Deng W[†]**, Shi X, Tjian R, Lionnet T and Singer RH[†]. CASFISH: CRISPR/Cas9 Mediated in situ Labeling of Genomic Loci in Fixed Cells. *PNAS*. 2015 Sep 22;112(38):11870-5.
2. **Deng W^{*}**, Rupon JW^{*}, Krivega I, Breda L, Motta I, Jahn KS, Reik A, Gregory PD, Rivella S, Dean A, Blobel GA. Reactivation of developmentally silenced globin genes by forced chromatin looping. *Cell*, 2014 Aug 14;158(4):849-60.
3. **Deng W**, Lee J, Wang H, Miller J, Reik A, Gregory PD, Dean A and Blobel GA. Controlling long range genomic interactions at a native locus by targeted tethering of a looping factor. *Cell*, 2012 Jun 8;149(6):1233-44.

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