

Curriculum Vitae

Name : Seunghee Oh

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Educational Background

- May/2014-Present **Postdoctoral Research Associate** in Stowers Institute for Medical Research, Kansas City, MO, USA
- Feb/2014 **Ph.D.** in Biology, Department of Biological Sciences, Korea Advanced Institute of Sciences and Technology (KAIST), Daejeon, Republic of Korea
Advisor : Dr. Daeyoup Lee
Thesis title : Mechanistic study of histone H3 lysine 79 methyltransferase Dot1 in *Saccharomyces cerevisiae*
- Feb/2007 **B.S.** in Department of Biological Sciences, Korea Advanced Institute of Sciences and Technology (KAIST), Daejeon, Republic of Korea

Publications

1. Lee, S., **Oh, S.**, Yang, A., Kim, J., Söl, D., Lee, D.*, Park, HS.*, *A facile strategy for selective phosphoserine incorporation in histones. Angew. Chem. Int. Ed.* 2013, 52,5771-5775 (This paper is highlighted as cover picture on the journal)

2. Shim, YS., Choi, Y., Kang, K., Cho, K., **Oh, S.**, Lee, J., Grewal, SI., Lee, D.*, *Hrp3 controls nucleosome positioning to suppress non-coding transcription in eu- and heterochromatin*. EMBO J. 2012 Nov 28;31(23):4375-87 (This paper is highlighted by *Nucleosome positioning and transcription: fission yeast CHD remodelers make their move*. EMBO J. 2012; 31, 4371-4372)

3. **Oh, S.**, Jeong, K., Kwon, CS., Lee, D.*, *A lysine-rich region in Dot1p is crucial for direct interaction with H2B ubiquitylation and high level methylation of H3K79*. Biochemical and Biophysical Research Communications, 2010 (399) 512-517

Presentation

Oh, S., Lee, D.*, *Histone H3 lysine 79 methyltransferase Dot1 regulates nucleosome exchange through methylation independent mechanisms*.
2012 KOGO 21st Annual Conference, Sep.13~14, 2012
The Korea Science Technology Center, Korea

Posters

1. **Oh, S.**, Lee, D.*, *Dot1 regulates nucleosome exchange through methylation independent mechanisms to maintain chromatin structure*
2012 KSMCB, 24st, Oct 10-12, 2012, COEX, Seoul, Korea

2. **Oh, S.**, Lee, D.*, *Dot1 (Disruptor Of Telomeric silencing 1) destabilizes Nucleosome Occupancy of Telomeric Boundary region*
2012 ACTS 12st, June 6-9, 2012, Jeju Island, Korea

3. **Oh, S.**, Lee, D.*, Dot1 facilitates nucleosome remodeling activities of ATPdependent chromatin remodelers through its nucleosome binding activity to suppress cryptic transcripts initiation in gene body region

2011 Cold Spring Harbor Meeting, Mechanisms of Eukaryotic Transcription,
Aug 30-Sep 3, 2011, Cold Spring Harbor Laboratory, NY