

DR. ROBERT KLOSE

Postdoc: 2005-2007



CURRENT POSITION

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PUBLICATIONS

Klose RJ, Kallin R, Zhang Y (2006). [JmjC domain-containing proteins and histone demethylation](#). *Nat. Rev. Cell Biol.* 7(9):715-727.

Klose RJ, Yamane K, Bae Y, Zhang D, Erdjument-Bromage H, Tempst P, Wong J, Zhang Y (2006). [The transcriptional repressor JHDM3A demethylates trimethyl histone H3 lysine 9 and lysine 36](#). *Nature* 442(7100):312-316.

Klose RJ, Zhang Y (2007). [Histone H3 Arg2 methylation provides alternative directions for CAMPASS](#). *Nature Stru. Mol. Biol.* 14(1):1058-1060.

Klose RJ, Gardner KE, Liang G, Erdjument-Bromage H, Tempst P, Zhang Y (2007). [Demethylation of histone H3K36 and H3K9 by Rph1: a vestige of an H3K9 methylation system in *Saccharomyces cerevisiae*?](#) *Mol Cell Biol.* 27(11):3951-3961.

Yamane K, **Klose RJ**, Fabrizio LA, Erdjument-Bromage H, Taylor-Papadimitriou J, Tempst P, Zhang Y (2007). [PLU-1 is an H3K4 demethylase involved in](#)

[transcriptional repression and breast cancer cell proliferation.](#) *Mol Cell* 25(6):801-812.

Klose RJ, Zhang Y (2007). [Regulation of histone methylation by demethylation and demethylation.](#) *Nature Reviews Molecular Cell Biology* 8(4):307-318.

Lee N, Zhang J, **Klose RJ**, Erdjument-Bromage H, Tempst P, Jones RS, Zhang Y (2007). [The trithorax group protein Lid is a trimethyl-H3K4 demethylase.](#) *Nature Stru. Mol. Biol.* 14(4):341-343.

Klose RJ, Yan Q, Tothova Z, Yamane K, Erdjument-Bromage H, Tempst P, Gilliland DG, Zhang Y, Kaelin WG (2007). [The retinoblastoma binding protein RBP2 is an H3K4 demethylase.](#) *Cell* 128(5):889-900.

Liang G, **Klose RJ**, Gardner KE, Zhang Y (2007). [Yeast Jhd2 is an H3K4 tri-methyl demethylase.](#) *Nature Stru. Mol. Biol.* 14(3):243-245.