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Postdoc: 2004-2008



CURRENT POSITION

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PUBLICATIONS

Chen Y, Yang Y, Wang F, **Yamane K**, Zhang Y, Lei M (2006). [Crystal structure of human histone demethylase 1 \(LSD1\)](#). *Proc. Nat. Acad. Sci.* 103(38): 13956-13961.

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.

Yamane K, Toumazou C, Tsukada YI, Erdjument-Bromage H, Tempst P, Wong J, Zhang Y (2006). [JHDM2A, a JmjC domain-containing H3K9 demethylase, facilitates transcriptional activation by androgen receptor](#). *Cell* 125(3):483-495.

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, 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.

- Yang Y, Jiang J, Stewart DM, Qi S, **Yamane K**, Li J, Zhang Y, Wong J (2010) [AOF1 is a histone H3K4 demethylation possessing demethylation activity-independent repression function.](#) *Cell Research* 20(3):276-287
- Chen H, Giri NC, Zhang R, **Yamane K**, Zhang Y, Maroney M, Costa M (2010) [Nickel ions inhibit histone demethylase JMJD1A and DNA repair enzyme ABH2 by replacing the ferrous iron in the catalytic centers.](#) *JBC* 285(10):7374-7383.