

DR. SHINSUKE ITO

Postdoc: 2008-2011



CURRENT POSITION

Research Scientist at RIKEN Center for Integrative Medical Sciences (IMS)

(Kanagawa, Japan)

PUBLICATIONS

Ito S, D'Alessio AC, Taranova OV, Hong K, Sowers LC, Zhang Y (2010) [Role of Tet proteins in 5mC to 5hmC conversion, ES-cell self-renewal and inner cell mass specification](#). *Nature* 466(7310):1129-1133.

Xu W, Yang H, Liu Y, Yang Y, Wang P, Kim SH, Ito S, Yang C, Wang P, Xiao MT, Liu LX, Jiang WQ, Liu J, Zhang JY, Wang B, Frye S, Zhang Y, Xu YH, Lei QY, Guan KL, Zhao SM, Xiong Y (2011) [Oncometabolite 2-hydroxyglutarate is a competitive inhibitor of alpha-ketoglutarate-dependent dioxygenases](#). *Cancer Cell*. 19(1):17-30.

Wu H*, D'Alessio AC*, Ito S, Xia K, Wang Z, Cui K, Zhao K, Sun YE, Zhang Y (2011) [Dual 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 analysis of 5-hydroxymethylsytosine distribution reveals its dual function in transcriptional regulation in mouse embryonic stem cells](#). *Genes and Development* 25(7):679-84.