

DR. ANA D'ALESSIO

Postdoc: 2008-2012



CURRENT POSITION

Associate Director iPSC platform at The Janssen Pharmaceutical Companies of Johnson & Johnson (Cambridge, MA)

PUBLICATIONS

Tateishi K, He J, Taranova O, Liang G, **D'Alessio AC**, Zhang Y (2008) [Generation of Insulin-Secreting Islet-like Clusters from Human Skin Fibroblasts](#). *JBC*. 283(46):31601-7.

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.

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-hydroxymethylcytosine distribution reveals its dual function in transcriptional regulation in mouse embryonic stem cells](#). *Genes and Development* 25(7):679-84.

- Shen L, Wu H, Diep D, Yamaguchi S, **D'Alessio A**, Fung H, Zhang K, Zhang Y (2013). [Genome-wide analysis reveals TET- and TDG-dependent 5-methylcytosine oxidation dynamics.](#) *Cell* 153(3):692–706.
- Cheng J, Guo S, Chen S, Mastriano SJ, Liu C, **D'Alessio AC**, et al. (2013). [An Extensive Network of TET2-Targeting MicroRNAs Regulates Malignant Hematopoiesis.](#) *Cell Reports* 5(2):471-481.
- Li X, Wei W, Zhao QY, Widagdo J, Baker-Andresen D, Flavell CR, **D'Alessio A**, Zhang Y, Bredy TW (2014). [Neocortical Tet3-mediated accumulation of 5-hydroxymethylcytosine promotes rapid behavioral adaptation.](#) *PNAS* 111(19):7120–7125.