

**Division
of
Stem Cell Medicine**

Publications

1. Yang G, Li Y, Nishimura EK, Xin H, Zhou A, Guo Y, Dong L, Denning MF, Nickoloff BJ, Cui R. (2008) Inhibition of PAX3 by TGF-beta modulates melanocyte viability. *Mol Cell*. 32(4):554-63
2. Sato-Jin K § , Nishimura E.K. § , Akasaka E, Huber W, Nakano H, Miller A, Du J, Wu M, Hanada K, Sawamura D, Fisher DE, and Imokawa G. (2008) Epistatic Connections between MITF and Endothelin signaling in Waardenburg Syndrome and other pigmentary disorders. (§ : co-first author) *FASEB J*. 22(4):1155-68.
3. Takahiro Aoto, Noriko Saitoh, Yasuo Sakamoto, Sugiko Watanabe, and Mitsuyoshi Nakao (2008) Polycomb Group protein-associated chromatin is reproduced in post-mitotic G1 phase and required for S phase progression. *J. Biol. Chem*. 283: pp18905-18915.
4. Tadokoro Y., Ema H., Okano M., Li E., Nakauchi H. (2007) De novo DNA methyltransferase is essential for self-renewal, but not for differentiation, in hematopoietic stem cells. *J. Exp. Med.*, 204 (4), 715-722.
5. Ema H., Morita Y., Yamazaki S., Matsubara A., Seita J., Tadokoro Y., Kondo H., Takano H., Nakauchi H. (2007) Adult mouse hematopoietic stem cells: purification and single-cell assays. *Nat. Protoc.*, 1, 2979-2987.
6. Seita J., Ema H., Ooehara J., Yamazaki S., Tadokoro Y., Yamasaki A., Eto K., Takaki S., Takatsu K., Nakauchi H. (2007) Lnk negatively regulates self-renewal of hematopoietic stem cells by modifying thrombopoietin-mediated signal transduction. *Proc. Natl. Acad. Sci. USA*, 104 (7), 2349-2354.
7. D'Orazio J.A., Nobuhisa T., Cui R.T., Arya M., Spry M., Wakamatsu K., Igras V., Kunisada T., Granter S., Nishimura E.K., Ito S., and Fisher D.E. (2006) Melanocortin-1 signaling in UV induced pigmentation: molecular mimicking and skin protection. *Nature*. 443(7109):340-344.
8. McGill G.G, Haq R, Nishimura, E.K, Fisher D.E. (2006) c-Met expression is regulated by mitf in the melanocyte lineage. *J Biol Chem*. 14;281(15):10365-73.
9. Takahiro Aoto, Noriko Saitoh, Takaya Ichimura, Hitoshi Niwa, and Mitsuyoshi Nakao (2006) Nuclear and chromatin reorganization in the *MHC-Oct3/4* locus at developmental phases of embryonic stem cell differentiation. *Developmental Biology*. 298:pp354-367.
10. Shu Tsuruzoe, Ko Ishihara, Yasuhiro Uchimura, Sugiko Watanabe, Yoko Sekita, Takahiro Aoto, Hisato Saitoh, Yasuhito Yuasa, Hitoshi Niwa, Michio Kawasuji, Hideo Baba and Mitsuyoshi Nakao. (2006) Inhibition of DNA binding of Sox2 by the SUMO conjugation. *Biochemical and Biophysics Research Communications*. 351:pp920-926.