

セミナーのお知らせ

講演者： Michael Kahn, Professor

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演 題： A Fundamental Switch in Stem Cells and Progenitors; A Tale of Two Coactivators

日 時： 平成25年12月9日（月）13:30~

場 所： 大阪大学大学院生命機能研究科
ナノ棟 3Fセミナー室

要 旨： Role of two coactivators in Wnt signaling, CBP and p300, in maintenance and differentiation of stem cells will be discussed.

He will propose that essentially all cellular information – i.e. from other signaling pathways, nutrient levels, etc. – is funneled down into a choice of coactivators usage, either CBP or p300, by their interacting partner beta-catenin to make the critical decision to either remain quiescent, or once entering cycle to proliferate without differentiation or to initiate the differentiation process.

参考文献：

- 1) Small-molecule inhibition of CBP/catenin interactions eliminates drug-resistant clones in acute lymphoblastic leukemia. *Oncogene* (advance online publication) 2013, doi:10.1038/onc.2013.169.
- 2) The Small Molecule Wnt Signaling Modulator ICG-001 Improves Contractile Function in Chronically Infarcted Rat Myocardium. *PLoS One*, 2013,8(9), e75010.
- 3) Symmetric division versus asymmetric division: a tale of two coactivators. *Future Med. Chem.*, 2011, 3(14), 1745-1763.

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