

第460回 難研セミナー

第33回 難治疾患共同研究拠点セミナー

Stem Cell Regulation Seminar

【日時】 平成23年10月31日(月) 14:00 ~ 15:30

DATE/TIME: October 31st, 2011 (Monday) 14:00 - 15:30

【場所】 M&Dタワー23階 共用セミナー室2

PLACE: Common Seminar Room 2, M&D Tower 23rd Floor

【演題】 *TITLE:*

Transcription factor control of transitions in pluripotent cell states

【演者】 Ian Chambers 教授 (エジンバラ大学)

**SPEAKER: Dr. Ian Chambers, Professor of Pluripotent
Stem Cell Biology, University of Edinburgh**

Prof. Chambers is a discoverer of a homeodomain protein which maintains ES cell self-renewal in the absence of cytokine stimulation, conditions under which differentiation normally ensues. In recognition of this, he and his colleagues named the protein Nanog after the Celtic Land-of-the-Ever-Young, Tir nan Og.

Publications:

Navarro et al. (2010) Molecular coupling of Tsix regulation and pluripotency. *Nature*, 468, 457-460.

van den Berg et al. (2010) An Oct4-centred protein interaction network in embryonic stem cells. *Cell Stem Cell*, 6, 369-381.

Chambers et al. (2009) The transcriptional foundation of pluripotency. *Development*, 136, 2311-2322.

Silva et al. (2009) Nanog is the gateway to the pluripotent ground state. *Cell*, 138, 722-737.

Mullin et al. (2008) The pluripotency rheostat Nanog functions as a dimer. *Biochem. J.*, 411, 227-231

Chambers et al. (2007) Nanog safeguards pluripotency and mediates germ cell development. *Nature*, 450, 1230-1234.

Chambers et al. (2003). Functional expression cloning of Nanog, a pluripotency sustaining factor in mouse embryonic stem cells. *Cell* 113: 643-655.

連絡先： 幹細胞制御分野 田賀哲也 (内線 5814)

共催： 発生再生生物学分野 仁科博史