

1st International Meeting

for Epithelial

Tubulology

Hokkaido 2013
June 22-23rd



*Regulation of Polarity Signaling during
Morphogenesis, Remodeling, and Breakdown of
Epithelial Tubule Structure*

The 22nd, June

- 9:30 – 9:40 *Opening Remarks: A. Kikuchi*
- 9:40 – 10:10 **A. Suzuki**
Direct reprogramming of mouse fibroblasts to hepatocyte-like cells
- 10:10 – 10:50 **H. Lickert**
Apical polarity and tube formation in the endoderm
- 10:50 – 11:05 *coffee break*
- 11:05 – 11:35 **S. Ohno**
aPKC suppresses the growth of mammary luminal progenitors through a novel mechanism involving ErbB2
- 11:35 – 12:15 **K. Matter**
Regulation of RhoGTPase signalling during epithelial differentiation
- 12:15 – 13:30 *lunch*
- 13:30 – 14:00 **A. Kikuchi**
Formation of epithelial tubular structures by growth factor signaling in three-dimensional culture
- 14:00 – 14:40 **F. Martin-Belmonte**
The role of recycling in epithelial tubulogenesis
- 14:40 – 15:10 **K. Ohashi**
Identification of Rho-GEFs involved in extracellular matrix stiffness-dependent transformation of mammary epithelial cells
- 15:10 – 15:25 *coffee break*
- 15:25 – 16:55 *short talks from posters (15' x 6)*
- Tetsuya Nakamura**
Epithelial regeneration by cultured colonic cells expanded from a single adult Lgr5+ stem cell
- Masanori Hirashima**
Aspp1 plays a crucial role in lymphatic vascular fusion and lymph-venous connection during mouse embryogenesis
- Mototsugu Eiraku**
Self-formation of optic cup from mouse and human pluripotent stem cells in vitro
- Reiko Kurotani (Hiroyuki Abe)**
Development of a novel imaging technique in a respiratory system diagnosis using optical coherence tomography



Tohru Itoh

A novel 3D imaging technique reveals dynamic behavior of the biliary tree and liver progenitor cells in regenerating mouse livers

Toshiro Sato

Establishment of patient-derived colorectal cancer/adenoma organoid culture system: an application to tubulology

16:55 — 17:05 *short break*

17:05 — 18:05 **Z. Werb**

Microenvironmental regulation of mammary branching morphogenesis

18:30 — *Reception Party at Faculty Club*

The 23rd, June

9:00 — 9:30 **H. Otani**

Cell polarity-associated mechanisms in normal and abnormal organogenesis and histogenesis of epithelial tubular structures

9:30 — 10:10 **C.P. Heisenberg**

Cell and tissue mechanics in zebrafish gastrulation

10:10 — 10:40 **Y. Minami**

Roles of Wnt/PCP signaling in pathological conditions of epithelial tubular tissues

10:40 — 11:00 *coffee break*

11:00 — 12:00 **Poster Presentation** (odd numbers)

12:00 — 13:00 *lunch*

13:00 — 14:00 **Poster Presentation** (even numbers)

14:00 — 14:40 **A. J. Ewald**

How do cells escape epithelial tissues?

14:40 — 15:10 **H. Sabe**

Mutant-p53 generates GEP100-Arf6-AMAP1-EPB41L5 pathway externally activated to promote mesenchymal invasion

15:10 — 15:25 *coffee break*

15:25 — 16:25 **M. Sudol**

The role of the WW domain in Golabi-Ito-Hall syndrome and Hippo tumor suppressor pathway

16:25 — 16:30 *Closing Remarks: H. Sabe*