



CDB SEMINAR

Henrik Semb

Lund University Stem Cell Center, Lund, Sweden

Tuesday, May 17, 2011

16:00~17:00 A7F Seminar Room

Polarity is destiny

Summary

Tissue architecture often coincides with cell lineage specification during organ development. Hence, an elementary question is whether these processes are independently controlled, or whether cell specification depends on tissue architecture. To address this fundamental question, we have studied the functional role of the Rho GTPase family members Cdc42 and RhoA in pancreatic epithelial tubulogenesis. Evidence will be presented that Cdc42 and RhoA coordinate tube formation in the developing pancreas, and that tubes control cell fate decisions of multipotent progenitors by providing signalling niches along their "trunk-tip" axis.

Host:

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