TOP LECTURES

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Determinants of proximal-distal patterning of the mouse lung epithelium during development

Development of the branched airway tree of the lung initiates with patterning of the nascent lung buds into proximal airway and distal tip compartments, that ultimately give rise to airways and alveoli, respectively. However, lineage tracing experiments have demonstrated that the epithelial progenitor cells that reside in the distal tip compartment give rise to all cell types of the lung epithelium, including airway epithelial cell types. This contrast is explained by a fate transition event that occurs during establishment of the branched airway tree of the lung, where distal tip epithelial progenitor cells may exit the distal tip compartment, and subsequently acquire a proximal airway cell fate instead. However, this transition event remains little understood. In this talk I will share our first insights into the molecular determinants of proximal-distal patterning and fate transition during lung development.

Thursday 11 June 2020
- 15:00 – Public lecture
- 16:00 – Masterclass for students
- 17:00 – End

The top lecture, (and session afterwards, which is for students only), will be online because of the corona situation. A link will be sent nearer the time.

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