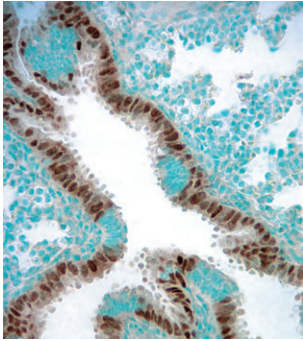
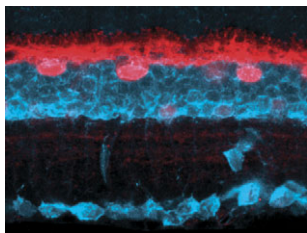


# Development



**Cover:** Lung from an E18.5 *Pofut1<sup>null</sup>* mouse showing that disruption of Notch signaling results in airways overpopulated by ciliated (Foxj1-positive nuclear staining, brown) and neuroendocrine (negative epithelial clusters, green) cells, without secretory cells. See Research article by Tsao et al. on p. 2297.



Ross Poché and Benjamin Reese review unusual features of retinal horizontal cell development, including their migratory behaviour, their morphological plasticity and their timing of cell division, and discuss the implications for the development of the central nervous system in general. See Review on p. 2141.

## MEETING REVIEW

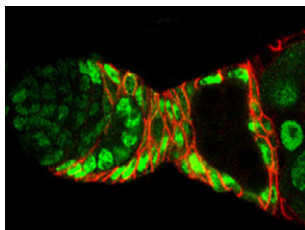
- 2135** Axons find their way in the snow  
Zou, Y.

## REVIEW

- 2141** Retinal horizontal cells: challenging paradigms of neural development and cancer biology  
Poché, R. A. and Reese, B. E.

## RESEARCH ARTICLES

- 2153** KGF and EGF signalling block hair follicle induction and promote interfollicular epidermal fate in developing mouse skin  
Richardson, G. D., Bazzi, H., Fantauzzo, K. A., Waters, J. M., Crawford, H., Hynd, P., Christiano, A. M. and Jahoda, C. A. B.
- 2165** *ojoplano*-mediated basal constriction is essential for optic cup morphogenesis  
Martinez-Morales, J. R., Rembold, M., Greger, K., Simpson, J. C., Brown, K. E., Quiring, R., Pepperkok, R., Martin-Bermudo, M. D., Himmelbauer, H. and Wittbrodt, J.
- 2177** Hedgehog-stimulated stem cells depend on non-canonical activity of the Notch co-activator Mastermind  
Vied, C. and Kalderon, D.
- 2187** Follistatin modulates a BMP autoregulatory loop to control the size and patterning of sensory domains in the developing tongue  
Beites, C. L., Hollenbeck, P. L. W., Kim, J., Lovell-Badge, R., Lander, A. D. and Calof, A. L.
- 2199** *boudin* is required for septate junction organisation in *Drosophila* and codes for a diffusible protein of the Ly6 superfamily  
Hijazi, A., Masson, W., Augé, B., Waltzer, L., Haenlin, M. and Roch, F.
- 2211** Somatic cAMP signaling regulates MSP-dependent oocyte growth and meiotic maturation in *C. elegans*  
Govindan, J. A., Nadarajan, S., Kim, S., Starich, T. A. and Greenstein, D.
- 2223** MSP and GLP-1/Notch signaling coordinately regulate actomyosin-dependent cytoplasmic streaming and oocyte growth in *C. elegans*  
Nadarajan, S., Govindan, J. A., McGovern, M., Hubbard, E. J. A. and Greenstein, D.
- 2235** Regulation of leg size and shape by the Dachous/Fat signalling pathway during regeneration  
Bando, T., Mito, T., Maeda, Y., Nakamura, T., Ito, F., Watanabe, T., Ohuchi, H. and Noji, S.
- 2247** Cell volume regulation is initiated in mouse oocytes after ovulation  
Tartia, A. P., Rudraraju, N., Richards, T., Hammer, M.-A., Talbot, P. and Baltz, J. M.
- 2255** *Adenomatous polyposis coli* regulates *Drosophila* intestinal stem cell proliferation  
Lee, W.-C., Beebe, K., Sudmeier, L. and Micchelli, C. A.
- 2265** Orthologs of *Arabidopsis thaliana* stomatal bHLH genes and regulation of stomatal development in grasses  
Liu, T., Ohashi-Ito, K. and Bergmann, D. C.



An adult *Drosophila* ovariole, containing *mastermind* mutant clones, immunolabelled for the *tubulin-lacZ* gene product (green) and the cell adhesion molecule Fasciclin III (red), from a study that reports that the Notch co-activator Mastermind might specifically enhance Hedgehog signalling in follicle stem cells. **See Research article by Vied and Kalderon on p. 2177.**

**2277** MBD4 and MLH1 are required for apoptotic induction in xDNMT1-depleted embryos  
**Ruzov, A., Shorning, B., Mortusewicz, O., Dunican, D. S., Leonhardt, H. and Meehan, R. R.**

**2287** Protein phosphatase 2A regulates self-renewal of *Drosophila* neural stem cells  
**Wang, C., Chang, K. C., Somers, G., Virshup, D., Ang, B. T., Tang, C., Yu, F. and Wang, H.**

#### DEVELOPMENT AND DISEASE

**2297** Notch signaling controls the balance of ciliated and secretory cell fates in developing airway  
**Tsao, P.-N., Vasconcelos, M., Izvolosky, K. I., Qian, J., Lu, J. and Cardoso, W. V.**

**2309** Corrigendum