Cover: Image of a Xenopus tail bud shown 7 days after amputation. No regeneration took place because the tail was irradiated, killing proliferating cells. Importantly, axons (red) still elongated out towards the bud, showing that cell proliferation is not required for axonal patterning during regeneration. See research article by Adams et al. on p. 1323.

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1243  The Hes gene family: repressors and oscillators that orchestrate embryogenesis
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1253  Dynamic somite cell rearrangements lead to distinct waves of myotome growth

RESEARCH ARTICLES

1259  PAR-6 is required for junction formation but not apicobasal polarization in C. elegans embryonic epithelial cells
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1269  Thrombospondin-mediated adhesion is essential for the formation of the myotendinous junction in Drosophila
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1279  Inca: a novel p21-activated kinase-associated protein required for cranial neural crest development

1291  Cell lineage-specific expression and function of the empty spiracles gene in adult brain development of Drosophila melanogaster
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1301  The Zic family member, odd-paired, regulates the Drosophila BMP, decapentaplegic, during adult head development
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1311  Conditional activation of Pax6 in the developing cortex of transgenic mice causes progenitor apoptosis

1323  H+ pump-dependent changes in membrane voltage are an early mechanism necessary and sufficient to induce Xenopus tail regeneration
Adams, D. S., Masi, A. and Levin, M.

1337  Antagonistic and cooperative actions of the EGFR and Dpp pathways on the iroquois genes regulate Drosophila mesothorax specification and patterning
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1347  The O-fucosyltransferase O-fut1 is an extracellular component that is essential for the constitutive endocytic trafficking of Notch in Drosophila
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1357  Timing of the onset of a developmental cell death is controlled by transcriptional induction of the C. elegans ced-3 caspase-encoding gene
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1369  RALDH-independent generation of retinoic acid during vertebrate embryogenesis by CYP1B1
Chambers, D., Wilson, L., Maden, M. and Lumsden, A.

1385  The nuclear envelope protein MAN1 regulates TGFβ signaling and vasculogenesis in the embryonic yolk sac
Cohen, T. V., Kosti, O. and Stewart, C. L.
**Plasma membranes (red) are lost in Drosophila rab6 mutant egg chambers, resulting in the occurrence of nuclei (blue) within an open syncitium. Syntaxin-1A (green), a t-SNARE, localises to the remnants of plasma membranes. In this study, Coutelis and Ephrussi show that Rab6 is required for exocytosis, microtubule cytoskeleton polarisation and the correct localisation of oskar mRNA. See research article on p. 1419.**

**1397** Specification of cell fate along the proximal-distal axis in the developing chick limb bud
Sato, K., Koizumi, Y., Takahashi, M., Kuroiwa, A. and Tamura, K.

**1407** P2X receptor signaling inhibits BDNF-mediated spiral ganglion neuron development in the neonatal rat cochlea
Greenwood, D., Jagger, D. J., Huang, L.-C., Hoya, N., Thorne, P. R., Wildman, S. S., King, B. F., Pak, K., Ryan, A. F. and Housley, G. D.

**1419** Rab6 mediates membrane organization and determinant localization during Drosophila oogenesis
Coutelis, J.-B. and Ephrussi, A.

**1431** Shroom family proteins regulate γ-tubulin distribution and microtubule architecture during epithelial cell shape change
Lee, C., Scherr, H. M. and Wallingford, J. B.

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**1443** Met acts on Mdm2 via mTOR to signal cell survival during development
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**1453** Corrigendum

**1454** Corrigendum