



Cover: Fluorescence image of a *Drosophila* wing imaginal disc (dorsal side down) showing normal expression and distribution of total Wingless protein (green), its receptor Frizzled2 (blue) and a long-range Wingless signaling target Distal-less (magenta). See Research article by Chaudhary et al. (dev174789).

DEVELOPMENT AT A GLANCE

PIN-FORMED and PIN-LIKES auxin transport facilitators
Sauer, M. and Kleine-Vehn, J.
dev168088

REVIEWS

The molecular mechanisms mediating mammalian fertilization
Bhakta, H. H., Refai, F. H. and Avella, M. A.
dev176966

Hematopoietic stem cell-independent hematopoiesis and the origins of innate-like B lymphocytes
Ghosn, E., Yoshimoto, M., Nakauchi, H., Weissman, I. L. and Herzenberg, L. A.
dev170571

STEM CELLS AND REGENERATION

Wound-induced polyploidization is driven by Myc and supports tissue repair in the presence of DNA damage
Grendler, J., Lowgren, S., Mills, M. and Losick, V. P.
dev173005

RESEARCH ARTICLES

Dmrt factors determine the positional information of cerebral cortical progenitors via differential suppression of homeobox genes
Konno, D., Kishida, C., Maehara, K., Ohkawa, Y., Kiyonari, H., Okada, S. and Matsuzaki, F.
dev174243

Cdc42 defines apical identity and regulates epithelial morphogenesis by promoting apical recruitment of Par6-aPKC and Crumbs
Nunes de Almeida, F., Walther, R. F., Pressé, M. T., Vlassaks, E. and Pichaud, F.
dev175497

Integration of Wnt and FGF signaling in the *Xenopus* gastrula at TCF and Ets binding sites shows the importance of short-range repression by TCF in patterning the marginal zone
Kjolby, R. A. S., Truchado-Garcia, M., Iruvanti, S. and Harland, R. M.
dev179580

The Egalitarian binding partners Dynein light chain and Bicaudal-D act sequentially to link mRNA to the Dynein motor
Goldman, C. H., Neiswender, H., Veeranan-Karmegam, R. and Gonsalvez, G. B.
dev176529

Secondary crest myofibroblast PDGFR α controls the elastogenesis pathway via a secondary tier of signaling networks during alveologenesis
Li, C., Lee, M. K., Gao, F., Webster, S., Di, H., Duan, J., Yang, C.-Y., Bhopal, N., Peinado, N., Pryhuber, G., Smith, S. M., Borok, Z., Bellusci, S. and Minoo, P.
dev176354

Robust Wnt signaling is maintained by a Wg protein gradient and Fz2 receptor activity in the developing *Drosophila* wing
Chaudhary, V., Hingole, S., Frei, J., Port, F., Strutt, D. and Boutros, M.
dev174789

FGF signaling patterns cell fate at the interface between tendon and bone
Roberts, R. R., Bobzin, L., Teng, C. S., Pal, D., Tuzon, C. T., Schweitzer, R. and Merrill, A. E.
dev170241