



**Cover:** A 24 hpf zebrafish embryo showing stained cells transplanted from a fluorescein-dextran-labelled donor embryo. Transplantation was performed while both donor and host were at the shield stage (6 hpf). By 24 hpf, transplanted cells had differentiated into morphologically distinct cells in the hindbrain of the host. See article by Fong et al. on p. 3587.

## Review

### Jenik, P. D. and Barton, M. K.

Surge and destroy: the role of auxin in plant embryogenesis

3577-3585

## Research articles

### Fong, S. H., Emelyanov, A., Teh, C. and Korzh, V.

Wnt signalling mediated by Tbx2b regulates cell migration during formation of the neural plate

3587-3596

### Henderson, I. R., Liu, F., Drea, S., Simpson, G. G. and Dean, C.

An allelic series reveals essential roles for FY in plant development in addition to flowering-time control

3597-3607

### Zelina, P., Avci, H. X., Thelen, K. and Pollerberg, G. E.

The cell adhesion molecule NrCAM is crucial for growth cone behaviour and pathfinding of retinal ganglion cell axons

3609-3618

### Lamar, E. and Kintner, C.

The Notch targets *Esr1* and *Esr10* are differentially regulated in *Xenopus* neural precursors

3619-3630

### Williams, D. W. and Truman, J. W.

Cellular mechanisms of dendrite pruning in *Drosophila*: insights from in vivo time-lapse of remodeling dendritic arborizing sensory neurons

3631-3642

### Barresi, M. J. F., Hutson, L. D., Chien, C.-B. and Karlstrom, R. O.

Hedgehog regulated Slit expression determines commissure and glial cell position in the zebrafish forebrain

3643-3656

### Williams, L., Grigg, S. P., Xie, M., Christensen, S. and Fletcher, J. C.

Regulation of *Arabidopsis* shoot apical meristem and lateral organ formation by microRNA *miR166g* and its *AtHD-ZIP* target genes

3657-3668

### Swan, A., Barcelo, G. and Schüpbach, T.

*Drosophila Cks30A* interacts with Cdk1 to target Cyclin A for destruction in the female germline

3669-3678

### Ghenea, S., Boudreau, J. R., Lague, N. P. and Chin-Sang, I. D.

The VAB-1 Eph receptor tyrosine kinase and SAX-3/Robo neuronal receptors function together during *C. elegans* embryonic morphogenesis

3679-3690

### Cebrià, F. and Newmark, P. A.

Planarian homologs of *netrin* and *netrin receptor* are required for proper regeneration of the central nervous system and the maintenance of nervous system architecture

3691-3703

Pultz, M. A., Westendorf, L., Gale, S. D., Hawkins, K., Lynch, J., Pitt, J. N., Reeves, N. L., Yao, J. C. Y., Small, S., Desplan, C. and Leaf, D. S.

A major role for zygotic *hunchback* in patterning the *Nasonia* embryo

3705-3715

Nechiporuk, A., Linbo, T. and Raible, D. W.

Endoderm-derived Fgf3 is necessary and sufficient for inducing neurogenesis in the epibranchial placodes in zebrafish

3717-3730

Holzschuh, J., Wada, N., Wada, C., Schaffer, A., Javidan, Y., Tallafuß, A., Bally-Cuif, L. and Schilling, T. F.

Requirements for endoderm and BMP signaling in sensory neurogenesis in zebrafish

3731-3742

Serbus, L. R., Cha, B.-J., Theurkauf, W. E. and Saxton, W. M.

Dynein and the actin cytoskeleton control kinesin-driven cytoplasmic streaming in *Drosophila* oocytes

3743-3752

Klebes, A., Sustar, A., Kechris, K., Li, H., Schubiger, G. and Kornberg, T. B.

Regulation of cellular plasticity in *Drosophila* imaginal disc cells by the Polycomb group, trithorax group and *lame* genes

3753-3765

## Research articles: Development and disease

Means, A. L., Meszoely, I. M., Suzuki, K., Miyamoto, Y., Rustgi, A. K., Coffey, R. J., Jr, Wright, C. V. E., Stoffers, D. A. and Leach, W. D.

Pancreatic epithelial plasticity mediated by acinar cell transdifferentiation and generation of nestin-positive intermediates

3767-3776

Grobe, K., Inatani, M., Pallerla, S. R., Castagnola, J., Yamaguchi, Y. and Esko, J. D.

Cerebral hypoplasia and craniofacial defects in mice lacking heparan sulfate *Ndst1* gene function

3777-3786