



Cover: Zebrafish neural tube (dorsal view) labeled with the three-colour Zebrafish reporter. The differentiation rate of neural progenitors is under feedback control based on dynamic changes in cell shape caused by tissue packing. See Research article by Hiscock et al. (dev157040).

OBITUARY

Obituary: John Sulston (1942-2018)

White, J.

dev166538

DEVELOPMENT AT A GLANCE

Toll and Toll-like receptor signalling in development

Anthony, N., Foldi, I. and Hidalgo, A.

dev156018

REVIEW

All in the family: proneural bHLH genes and neuronal diversity

Baker, N. E. and Brown, N. L.

dev159426

STEM CELLS AND REGENERATION

Niche-mediated BMP/SMAD signaling regulates lung alveolar stem cell proliferation and differentiation

Chung, M.-I., Bujnis, M., Barkauskas, C. E., Kobayashi, Y. and Hogan, B. L. M.

dev163014

Intrahepatic bile ducts guide establishment of the intrahepatic nerve network in developing and regenerating mouse liver

Tanimizu, N., Ichinohe, N. and Mitaka, T.

dev159095

RESEARCH REPORT

Direct activation of chondroblasts by retinoic acid is required for segmented centra mineralization during zebrafish spine development

Pogoda, H.-M., Riedl-Quinkertz, I., Löhr, H., Waxman, J. S., Dale, R. M., Topczewski, J., Schulte-Merker, S. and Hammerschmidt, M.

dev159418

RESEARCH ARTICLES

Spatial regulation of microtubule disruption during dendrite pruning in *Drosophila*

Herzmann, S., Götzelmann, I., Reekers, L.-F. and Rumpf, S.

dev156950

Collagen 18 and agrin are secreted by neural crest cells to remodel their microenvironment and regulate their migration during enteric nervous system development

Nagy, N., Barad, C., Hotta, R., Bhawe, S., Arciero, E., Dora, D. and Goldstein, A. M.

dev160317

The non-canonical Wnt-PCP pathway shapes the mouse caudal neural plate

López-Escobar, B., Caro-Vega, J. M., Vijayraghavan, D. S., Plageman, T. F., Sanchez-Alcazar, J. A., Moreno, R. C., Savery, D., Márquez-Rivas, J., Davidson, L. A. and Ybot-González, P.

dev157487

Feedback between tissue packing and neurogenesis in the zebrafish neural tube

Hiscock, T. W., Miesfeld, J. B., Mosaliganti, K. R., Link, B. A. and Megason, S. G.

dev157040

aPKC is a key polarity determinant in coordinating the function of three distinct cell polarities during collective migration

Wang, H., Qiu, Z., Xu, Z., Chen, S. J., Luo, J., Wang, X. and Chen, J.

dev158444

Proliferation-independent role of NF2 (merlin) in limiting biliary morphogenesis

Benhamouche-Trouillet, S., O'Loughlin, E., Liu, C.-H., Polacheck, W., Fitamant, J., McKee, M., El-Bardeesy, N., Chen, C. S. and McClatchey, A. I.

dev162123

Ldb1- and Rnf12-dependent regulation of Lhx2 controls the relative balance between neurogenesis and gliogenesis in the retina

de Melo, J., Clark, B. S., Venkataraman, A., Shiau, F., Zibetti, C. and Blackshaw, S.

dev159970

Coordination of meristem and boundary functions by transcription factors in the SHOOT MERISTEMLESS regulatory network

Scofield, S., Murison, A., Jones, A., Fozard, J., Aida, M., Band, L. R., Bennett, M. and Murray, J. A. H.

dev157081