



**Cover:** A schematic overview of *Caenorhabditis elegans*, containing the left lateral row of hypodermal seam cells and the QL neuroblast, with the complex and highly regulated mechanisms of polarization and migration of nematode Q neuroblasts represented by geometrical shapes in the background. Design and artwork, inspired by Aboriginal art, by A. Ebbing. See Research article by Ebbing et al. (dev180059).

## INTERVIEW

The people behind the papers – Mingxi Deng and Yan Yan  
dev184309

## DEVELOPMENT AT A GLANCE

Hippo signalling during development  
**Davis, J. R. and Tapon, N.**  
dev167106

## MEETING REVIEW

Exciting times to study the identity and evolution of cell types  
**Sachkova, M. and Burkhardt, P.**  
dev178996

## PRIMER

Model systems for regeneration: zebrafish  
**Marques, I. J., Lupi, E. and Mercader, N.**  
dev167692

## REVIEW

Arthropod segmentation  
**Clark, E., Peel, A. D. and Akam, M.**  
dev170480

## STEM CELLS AND REGENERATION

The p75 neurotrophin receptor is required for the survival of neuronal progenitors and normal formation of the basal forebrain, striatum, thalamus and neocortex  
**Meier, S., Alfonsi, F., Kurniawan, N. D., Milne, M. R., Kasherman, M. A., Delogu, A., Piper, M. and Coulson, E. J.**  
dev181933

## RESEARCH ARTICLES

Partially overlapping guidance pathways focus the activity of UNC-40/DCC along the anteroposterior axis of polarizing neuroblasts  
**Ebbing, A., Middelkoop, T. C., Betist, M. C., Bodewes, E. and Korswagen, H. C.**  
dev180059

Scribble and Discs Large mediate tricellular junction formation  
**Sharifkhodaei, Z., Gilbert, M. M. and Auld, V. J.**  
dev174763

*Pax9* is required for cardiovascular development and interacts with *Tbx1* in the pharyngeal endoderm to control 4th pharyngeal arch artery morphogenesis

**Phillips, H. M., Stothard, C. A., Shaikh Qureshi, W. M., Kousa, A. I., Briones-Leon, J. A., Khasawneh, R. R., O'Loughlin, C., Sanders, R., Mazzotta, S., Dodds, R., Seidel, K., Bates, T., Nakatomi, M., Cockell, S. J., Schneider, J. E., Mohun, T. J., Maehr, R., Kist, R., Peters, H. and Bamforth, S. D.**  
dev177618

Genomic architecture of Shh-dependent cochlear morphogenesis

**Muthu, V., Rohacek, A. M., Yao, Y., Rakowiecki, S. M., Brown, A. S., Zhao, Y.-T., Meyers, J., Won, K.-J., Ramdas, S., Brown, C. D., Peterson, K. A. and Epstein, D. J.**  
dev181339

Downregulation of homeodomain protein Cut is essential for *Drosophila* follicle maturation and ovulation

**Knapp, E. M., Li, W. and Sun, J.**  
dev179002

Transcriptional autoregulation of zebrafish *tbx6* is required for somite segmentation

**Ban, H., Yokota, D., Ootosaka, S., Kikuchi, M., Kinoshita, H., Fujino, Y., Yabe, T., Ovara, H., Izuka, A., Akama, K., Yamasu, K., Takada, S. and Kawamura, A.**  
dev177063

CD40 forward signalling is a physiological regulator of early sensory axon growth

**Howard, L., McWilliams, T. G., Wyatt, S. and Davies, A. M.**  
dev176495

## TECHNIQUES AND RESOURCES

Single cell transcriptomic landscapes of pattern formation, proliferation and growth in *Drosophila* wing imaginal discs

**Deng, M., Wang, Y., Zhang, L., Yang, Y., Huang, S., Wang, J., Ge, H., Ishibashi, T. and Yan, Y.**  
dev179754

## CORRECTION

Correction: HOXA5 plays tissue-specific roles in the developing respiratory system (doi: 10.1242/dev.152686)

**Landry-Truchon, K., Houde, N., Boucherat, O., Joncas, F.-H., Dasen, J. S., Philippidou, P., Mansfield, J. H. and Jeannotte, L.**  
dev184697