



Cover: Muscle precursors migrate away from somites in discrete streams. These streams, which emanate from both sides of the embryo, are visualized using a new transgenic line, *six1b:lyn-GFP* (green), in a fixed zebrafish embryo. Somites are visualized by expression of a slow-twitch muscle marker, *smyhc1:lyn-tdTomato* (purple). See Research article by Talbot et al. (dev171421).

OBITUARY

Thomas M. Jessell (1951-2019)
Arber, S. and Briscoe, J.
dev180505

REVIEWS

Mechanisms of intercellular Wnt transport
Routledge, D. and Scholpp, S.
dev176073

Biochemical mechanisms of vertebrate hedgehog signaling
Kong, J. H., Siebold, C. and Rohatgi, R.
dev166892

STEM CELLS AND REGENERATION

An epiblast stem cell-derived multipotent progenitor population for axial extension
Edri, S., Hayward, P., Baillie-Johnson, P., Steventon, B. J. and Martinez Arias, A.
dev168187

RESEARCH REPORTS

The MED30 subunit of mediator complex is essential for early plant development and promotes flowering in *Arabidopsis thaliana*
Jaskolowski, A., Iñigo, S., Arellano, S. M., Arias, L. A., Fiol, D. F., Sede, A. R., Oldra, M. B., Lorenzi, H., Muschietti, J. P., Pagnussat, G. C. and Cerdán, P. D.
dev175224

Functional analysis of Niemann-Pick disease type C family protein, NPC1a, in *Drosophila melanogaster*
Bialistoky, T., Manry, D., Smith, P., Ng, C., Kim, Y., Zamir, S., Moyal, V., Kalifa, R., Schedl, P., Gerlitz, O. and Deshpande, G.
dev168427

RESEARCH ARTICLES

Lin28-mediated temporal promotion of protein synthesis is crucial for neural progenitor cell maintenance and brain development in mice
Herrlinger, S., Shao, Q., Yang, M., Chang, Q., Liu, Y., Pan, X., Yin, H., Xie, L.-W. and Chen, J.-F.
dev173765

Molecular signatures identify immature mesenchymal progenitors in early mouse limb buds that respond differentially to morphogen signaling
Reinhardt, R., Gullotta, F., Nusspaumer, G., Ünal, E., Ivanek, R., Zuniga, A. and Zeller, R.
dev173328

Primary wall cellulose synthase regulates shoot apical meristem mechanics and growth
Sampathkumar, A., Peaucelle, A., Fujita, M., Schuster, C., Persson, S., Wasteneys, G. O. and Meyerowitz, E. M.
dev179036

Barhl2 maintains T cell factors as repressors and thereby switches off the Wnt/ β -Catenin response driving Spemann organizer formation
Sena, E., Rocques, N., Borday, C., Muhamad Amin, H. S., Parain, K., Sitbon, D., Chesneau, A. and Durand, B. C.
dev173112

Organ-specific genetic interactions between paralogues of the *PXY* and *ER* receptor kinases enforce radial patterning in *Arabidopsis* vascular tissue
Wang, N., Bagdassarian, K. S., Doherty, R. E., Kroon, J. T., Connor, K. A., Wang, X. Y., Wang, W., Jermyn, I. H., Turner, S. R. and Etchells, J. P.
dev177105

A single KH domain in Bicaudal-C links mRNA binding and translational repression functions to maternal development
Dowdle, M. E., Park, S., Blaser Imboden, S., Fox, C. A., Houston, D. W. and Sheets, M. D.
dev172486

Muscle precursor cell movements in zebrafish are dynamic and require Six family genes
Talbot, J. C., Teets, E. M., Ratnayake, D., Duy, P. Q., Currie, P. D. and Amacher, S. L.
dev171421

CORRECTION

Correction: Sox30 initiates transcription of haploid genes during late meiosis and spermiogenesis in mouse testes (doi:10.1242/dev.164855)
Bai, S., Fu, K., Yin, H., Cui, Y., Yue, Q., Li, W., Cheng, L., Tan, H., Liu, X., Guo, Y., Zhang, Y., Xie, J., He, W., Wang, Y., Feng, H., Xin, C., Zhang, J., Lin, M., Shen, B., Sun, Z., Guo, X., Zheng, K. and Ye, L.
dev179978