



Cover: *Caenorhabditis elegans* embryos imaged using single-molecule FISH to detect maternally-loaded mRNAs (*clu-1*, *chs-1*, *imb-2*, *erm-1*, F40G12.11, *lem-3*, *nos-2* and *cpg-2*) in combination with cellular markers (PH::GFP, GLH-1::GFP, and DAPI). mRNAs accumulate at cell membranes, nuclear peripheries and within P granules. See Research article by Parker et al. (dev186817).

EDITORIAL

An ode to the Node: 10 years in the life of a community blog
Maartens, A., Brown, K. and Briscoe, J.
dev194092

INTERVIEWS

The people behind the papers - Wael Noor El-Nachef and Marianne Bronner
dev194001

The people behind the papers – Priyanka Govindaraju and Enrico Scarpella
dev193672

REVIEWS

Mechanisms of heart valve development and disease
O'Donnell, A. and Yutzey, K. E.
dev183020

Principles and mechanisms of asymmetric cell division
Sunchu, B. and Cabernard, C.
dev167650

STEM CELLS AND REGENERATION

Fibroblast growth factor 10 is a negative regulator of postnatal neurogenesis in the mouse hypothalamus
Goodman, T., Nayar, S. G., Clare, S., Mikolajczak, M., Rice, R., Mansour, S., Bellusci, S. and Hajihosseini, M. K.
dev180950

A SMAD1/5-YAP signalling module drives radial glia self-amplification and growth of the developing cerebral cortex
Najas, S., Pijuan, I., Esteve-Codina, A., Usieto, S., Martinez, J. D., Zwijsen, A., Arbonés, M. L., Martí, E. and Le Dréau, G.
dev187005

Connexin 43 gap junctional intercellular communication inhibits *evx1* expression and joint formation in regenerating fins
Bhattacharya, S., Hyland, C., Falk, M. M. and Iovine, M. K.
dev190512

RESEARCH REPORT

Vein patterning by tissue-specific auxin transport
Govindaraju, P., Verna, C., Zhu, T. and Scarpella, E.
dev187666

RESEARCH ARTICLES

De novo enteric neurogenesis in post-embryonic zebrafish from Schwann cell precursors rather than resident cell types
El-Nachef, W. N. and Bronner, M. E.
dev186619

Development and function of smooth muscle cells is modulated by *Hic1* in mouse testis

Uchida, A., Sakib, S., Labit, E., Abbasi, S., Scott, R. W., Underhill, T. M., Biernaskie, J. and Dobrinski, I.
dev185884

The RALF1-FERONIA interaction modulates endocytosis to mediate control of root growth in *Arabidopsis*

Yu, M., Li, R., Cui, Y., Chen, W., Li, B., Zhang, X., Bu, Y., Cao, Y., Xing, J., Jewaria, P. K., Li, X., Bhalerao, R. P., Yu, F. and Lin, J.
dev189902

Suspensor-derived somatic embryogenesis in *Arabidopsis*
Radoeva, T., Albrecht, C., Piepers, M., de Vries, S. and Weijers, D.

dev188912

mRNA localization is linked to translation regulation in the *Caenorhabditis elegans* germ lineage

Parker, D. M., Winkenbach, L. P., Boyson, S., Saxton, M. N., Daidone, C., Al-Mazaydeh, Z. A., Nishimura, M. T., Mueller, F. and Osborne Nishimura, E.
dev186817

Simultaneous deletion of *Prdm1* and *Vsx2* enhancers in the retina alters photoreceptor and bipolar cell fate specification, yet differs from deleting both genes

Goodson, N. B., Kaufman, M. A., Park, K. U. and Brzezinski, J. A. IV
dev190272

Oocytes and hypoxanthine orchestrate the G2-M switch mechanism in ovarian granulosa cells

Li, C., Meng, X., Liu, S., Li, W., Zhang, X., Zhou, J., Yao, W., Dong, C., Liu, Z., Zhou, J., Li, J., Tao, J., Wu, W., Shen, M. and Liu, H.
dev184838

TECHNIQUES AND RESOURCES

Slc26a9P2ACre: a new CRE driver to regulate gene expression in the otic placode lineage and other FGFR2b-dependent epithelia

Urness, L. D., Wang, X., Li, C., Quadros, R. M., Harms, D. W., Gurumurthy, C. B. and Mansour, S. L.
dev191015

Placental gene editing via trophectoderm-specific Tat-Cre/loxP recombination

Ozguldez, H. O., Fan, R. and Bedzhov, I.
dev190371