



Cover: Artistic arrangement of *Arabidopsis* root tips. *CLE26* gene expression in the phloem poles of root meristems is visualised using a fluorescent NLS-3xVENUS reporter gene (dark spots). Cell wall counterstaining with propidium iodide (lighter) outlines the root meristem structure. See Research article by Anne et al. (dev162354).

REVIEWS

Understanding axon guidance: are we nearly there yet?

Stoeckli, E. T.

dev151415

The developmental origin of brain tumours: a cellular and molecular framework

Azzarelli, R., Simons, B. D. and Philpott, A.

dev162693

STEM CELLS AND REGENERATION

Overlapping functions of Krüppel-like factor family members: targeting multiple transcription factors to maintain the naïve pluripotency of mouse embryonic stem cells

Yamane, M., Ohtsuka, S., Matsuura, K., Nakamura, A. and Niwa, H.

dev162404

Histone deacetylases 1 and 2 regulate the transcriptional programs of nephron progenitors and renal vesicles

Liu, H., Chen, S., Yao, X., Li, Y., Chen, C.-H., Liu, J.,

Saifudeen, Z. and El-Dahr, S. S.

dev153619

Neural stem cell quiescence and stemness are molecularly distinct outputs of the Notch3 signalling cascade in the vertebrate adult brain

Than-Trong, E., Ortica-Gatti, S., Mella, S., Nepal, C., Alunni, A. and Bally-Cuif, L.

dev161034

GSK-3 promotes S-phase entry and progression in *C. elegans* germline stem cells to maintain tissue output

Furuta, T., Joo, H.-J., Trimmer, K. A., Chen, S.-Y. and Arur, S.

dev161042

RESEARCH REPORTS

Epidermal expression of a sterol biosynthesis gene regulates root growth by a non-cell-autonomous mechanism in *Arabidopsis*

Short, E., Leighton, M., Imriz, G., Liu, D., Cope-Selby, N.,

Hetherington, F., Smertenko, A., Hussey, P. J., Topping, J. F. and Lindsey, K.

dev160572

Four specific immunoglobulin domains in UNC-52/Perlecan function with NID-1/Nidogen during dendrite morphogenesis in *Caenorhabditis elegans*

Celestrin, K., Díaz-Balzac, C. A., Tang, L. T. H., Ackley, B. D. and Bülow, H. E.

dev158881

RESEARCH ARTICLES

Evidence for the temporal regulation of insect segmentation by a conserved sequence of transcription factors

Clark, E. and Peel, A. D.

dev155580

CLERK is a novel receptor kinase required for sensing of root-active CLE peptides in *Arabidopsis*

Anne, P., Amiguet-Vercher, A., Brandt, B., Kalmbach, L., Geldner, N., Hothorn, M. and Hardtke, C. S.

dev162354

A blood capillary plexus-derived population of progenitor cells contributes to genesis of the dermal lymphatic vasculature during embryonic development

Pichol-Thievend, C., Betterman, K. L., Liu, X., Ma, W., Skoczylas, R., Lesieur, E., Bos, F. L., Schulte, D., Schulte-Merker, S., Hogan, B. M., Oliver, G., Harvey, N. L. and Francois, M.

dev160184

The Hippo pathway effector Wwtr1 regulates cardiac wall maturation in zebrafish

Lai, J. K. H., Collins, M. M., Uribe, V., Jiménez-Amilburu, V., Günther, S., Maischein, H.-M. and Stainier, D. Y. R.

dev159210

Modulation of F-actin dynamics by maternal Mid1ip1L controls germ plasm aggregation and furrow recruitment in the zebrafish embryo

Eno, C. and Pelegri, F.

dev156596

Slow calcium waves mediate furrow microtubule reorganization and germ plasm compaction in the early zebrafish embryo

Eno, C., Gomez, T., Slusarski, D. C. and Pelegri, F.

dev156604

TECHNIQUES AND RESOURCES

Transfection of *Capsaspora owczarzaki*, a close unicellular relative of animals

Parra-Acero, H., Ros-Rocher, N., Perez-Posada, A., Kozyczkowska, A., Sánchez-Pons, N., Nakata, A., Suga, H., Najle, S. R. and Ruiz-Trillo, I.

dev162107

NvERTx: a gene expression database to compare embryogenesis and regeneration in the sea anemone *Nematostella vectensis*

Warner, J. F., Guerlais, V., Amiel, A. R., Johnston, H., Nedoncelle, K. and Röttinger, E.

dev162867

CORRECTION

Correction: Non-centrosomal epidermal microtubules act in parallel to LET-502/ROCK to promote *C. elegans* elongation (doi:10.1242/dev.126615)

Quintin, S., Wang, S., Pontabry, J., Bender, A., Robin, F., Hyenne, V., Landmann, F., Gally, C., Oegema, K. and Labouesse, M.

dev167262