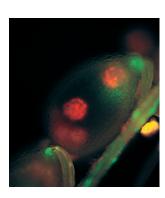
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Cover: An Arabidopsis thaliana seed lacking maternal Polycomb activity at 7 days after pollination. Red nuclei indicate expression of the Arabidopsis formin homologue AtFH5 in the ectopic chalazal cysts that are characteristic of Polycomb mutant seed endosperm. See Research article by Fitz Gerald et al. on p. 3399.

REVIEW

3379 Coming into bloom: the specification of floral meristems Liu, C., Thong, Z. and Yu, H.

RESEARCH REPORTS

3393 Spindle alignment is achieved without rotation after the first cell cycle in *Drosophila* embryonic neuroblasts

Rebollo, E., Roldán, M. and Gonzalez, C.

3399 Polycomb group-dependent imprinting of the actin regulator *AtFH5* regulates morphogenesis in *Arabidopsis thaliana*Fitz Gerald, J. N., Poh, S. H. and Berger, F.

RESEARCH ARTICLES

3405 Developmental switch in NF-κB signalling required for neurite growth Gavaldà, N., Gutierrez, H. and Davies, A. M.

3413 H19 acts as a trans regulator of the imprinted gene network controlling growth in mice
 Gabory, A., Ripoche, M. A., Le Digarcher, A., Watrin, F., Ziyyat, A., Forné, T., Jammes, H., Ainscough, J. F. X., Surani, M. A., Journot, L. and Dandolo, L.

3423 Akt-dependent Pp2a activity is required for epidermal barrier formation during late embryonic development
O'Shaughnessy, R. F. L., Welti, J. C., Sully, K. and Byrne, C.

3433 Lineage-specific cell death in postembryonic brain development of *Drosophila* Kumar, A., Bello, B. and Reichert, H.

A gene network for long-day flowering activates *RFT1* encoding a mobile flowering signal in rice

Komiya, R., Yokoi, S. and Shimamoto, K.

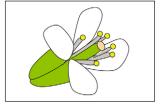
3451 Smicl is required for phosphorylation of RNA polymerase II and affects 3'-end processing of RNA at the midblastula transition in *Xenopus*Collart, C., Ramis, J. M., Down, T. A. and Smith, J. C.

3463 Convergent extension movements in growth plate chondrocytes require gpianchored cell surface proteins Ahrens, M. J., Li, Y., Jiang, H. and Dudley, A. T.

3475 Dendrite branching and self-avoidance are controlled by Turtle, a conserved IgSF protein in *Drosophila* Long, H., Ou, Y., Rao, Y. and van Meyel, D. J.

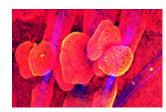
Early lineage specification of long-lived germline precursors in the colonial ascidian Botryllus schlosseri
 Brown, F. D., Tiozzo, S., Roux, M. M., Ishizuka, K., Swalla, B. J. and De Tomaso, A. W.

3495 Sonic hedgehog-dependent synthesis of laminin $\alpha 1$ controls basement membrane assembly in the myotome Anderson, C., Thorsteinsdóttir, S. and Borycki, A. G.



In flowering plants, structures known as floral meristems harbour the founder cells from which flowers form. Liu et al. review recent insights into the regulatory networks that control floral meristem specification and discuss their conservation across plant species. See Review on p. 3379.

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Tail epidermal whole-mount from an adult mouse that overexpresses the intercellular adhesion molecule nectin-like molecule 2 (Necl2), immunolabelled for keratin-14 (green) and Necl2 (red), and with DAPI-labelled nuclei (blue), from a study that shows that Necl2 regulates epidermal stem cell location and proliferation. See Research article by Giangreco et al. on p. 3505.

3505 Necl2 regulates epidermal adhesion and wound repair Giangreco, A., Jensen, K. B., Takai, Y., Miyoshi, J. and Watt, F. M.

3515 Patched 1 is a crucial determinant of asymmetry and digit number in the vertebrate limb Butterfield, N. C., Metzis, V., McGlinn, E., Bruce, S. J., Wainwright, B. J. and Wicking, C.