



Cover: The KNUCKLES gene controls basal patterning in the *Arabidopsis* gynoecium, and the gene is subject to post-transcriptional regulation. The picture shows KNUCKLES expression in basal parts of the gynoecium, ovules and anthers. See article by Payne et al. on p. 3737.

Review article

Weaver, C. and Kimelman, D.

Move it or lose it: axis specification in *Xenopus*

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Research articles

Chu, G. C., Dunn, N. R., Anderson, D. C., Oxburgh, L. and Robertson, E. J.

Differential requirements for Smad4 in TGF β -dependent patterning of the early mouse embryo



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Liu, J., Vasudevan, S. and Kipreos, E. T.

CUL-2 and ZYG-11 promote meiotic anaphase II and the proper placement of the anterior-posterior axis in *C. elegans*

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Sonneville, R. and Gönczy, P.

zyg-11 and cul-2 regulate progression through meiosis II and polarity establishment in *C. elegans*

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Otero, J. J., Fu, W., Kan, L., Cuadra, A. E. and Kessler, J. A.

β -Catenin signaling is required for neural differentiation of embryonic stem cells

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Naska, S., Cenni, M. C., Menna, E. and Maffei, L.

ERK signaling is required for eye-specific retino-geniculate segregation

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Danzer, J. R. and Wallrath, L. L.

Mechanisms of HP1-mediated gene silencing in *Drosophila*

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Kudoh, T., Concha, M. L., Houart, C., Dawid, I. B. and Wilson, S. W.

Combinatorial Fgf and Bmp signalling patterns the gastrula ectoderm into prospective neural and epidermal domains

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Lei, Q., Zelman, A. K., Kuang, E., Li, S. and Matise, M. P.

Transduction of graded Hedgehog signaling by a combination of Gli2 and Gli3 activator functions in the developing spinal cord

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Gallio, M., Englund, C., Kylsten, P. and Samakovlis, C.

Rhomboid 3 orchestrates Slit-independent repulsion of tracheal branches at the CNS midline

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An, H., Rousselot, C., Suárez-López, P., Corbesier, L., Vincent, C., Piñeiro, M., Hepworth, S., Mouradov, A., Justin, S., Turnbull, C. and Coupland, G.

CONSTANS acts in the phloem to regulate a systemic signal that induces photoperiodic flowering of *Arabidopsis*

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Schmahl, J., Kim, Y., Colvin, J. S., Ornitz, D. M. and Capel, B.

$Fgf9$ induces proliferation and nuclear localization of FGFR2 in Sertoli precursors during male sex determination

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Tseng, H.-T., Shah, R. and Jamrich, M.

Function and regulation of *FoxF1* during *Xenopus* gut development

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Navarro, C., Efremova, N., Golz, J. F., Rubiera, R., Kuckenberg, M., Castillo, R., Tietz, O., Saedler, H. and Schwarz-Sommer, Z.

Molecular and genetic interactions between STYLOSA and GRAMINIFOLIA in the control of *Antirrhinum* vegetative and reproductive development

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Corrigendum

Golz, J. F., Roccaro, M., Kuzoff, R. and Hudson, A.
GRAMINIFOLIA promotes growth and polarity of *Antirrhinum* leaves

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Voronezhskaya, E. E., Khabarova, M. Y. and Nezlin, L. P.
Apical sensory neurones mediate developmental retardation induced by conspecific environmental stimuli in freshwater pulmonate snails

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Herzog, W., Sonntag, C., von der Hardt, S., Roehl, H. H., Varga, Z. M. and Hammerschmidt, M.

Fgf3 signaling from the ventral diencephalon is required for early specification and subsequent survival of the zebrafish adenohypophysis

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Ding, Y.-Q., Yin, J., Kania, A., Zhao, Z.-Q., Johnson, R. L. and Chen, Z.-F.

Lmx1b controls the differentiation and migration of the superficial dorsal horn neurons of the spinal cord

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Miyashita, T., Yeo, S.-Y., Hirate, Y., Segawa, H., Wada, H., Little, M. H., Yamada, T., Takahashi, N. and Okamoto, H.
PlexinA4 is necessary as a downstream target of Islet2 to mediate Slit signaling for promotion of sensory axon branching

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Gutierrez, H., Dolcet, X., Tolcos, M. and Davies, A.

HGF regulates the development of cortical pyramidal dendrites

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Mann, M. R. W., Lee, S. S., Doherty, A. S., Verona, R. I., Nolen, L. D., Schultz, R. M. and Bartolomei, M. S.

Selective loss of imprinting in the placenta following preimplantation development in culture

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Payne, T., Johnson, S. D. and Koltunow, A. M.

KNUCKLES (*KNU*) encodes a C2H2 zinc-finger protein that regulates development of basal pattern elements of the *Arabidopsis* gynoecium

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Szeto, D. P. and Kimelman, D.

Combinatorial gene regulation by Bmp and Wnt in zebrafish posterior mesoderm formation

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Dutta, D., Anant, S., Ruiz-Gomez, M., Bate, M. and VijayRaghavan, K.

Founder myoblasts and fibre number during adult myogenesis in *Drosophila*

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Pratt, T., Tian, N. M. M.-L., Simpson, T. I., Mason, J. O. and Price, D. J.

The winged helix transcription factor Foxg1 facilitates retinal ganglion cell axon crossing of the ventral midline in the mouse

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Matakatsu, H. and Blair, S. S.

Interactions between Fat and Dachsous and the regulation of planar cell polarity in the *Drosophila* wing

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Moniot, B., Biau, S., Faure, S., Nielsen, C. M., Berta, P., Roberts, D. J. and de Santa Barbara, P.

SOX9 specifies the pyloric sphincter epithelium through mesenchymal-epithelial signals

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Research article: Development and disease

Ferri, A. L. M., Cavallaro, M., Braida, D., Di Cristofano, A., Canta, A., Vezzani, A., Ottolenghi, S., Pandolfi, P. P., Sala, M., DeBiasi, S. and Nicolis, S. K.

Sox2 deficiency causes neurodegeneration and impaired neurogenesis in the adult mouse brain

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Corrigendum

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