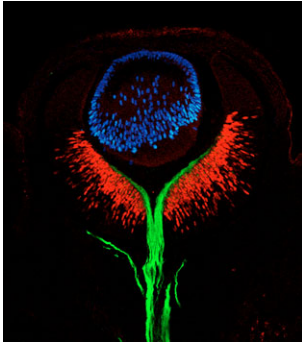
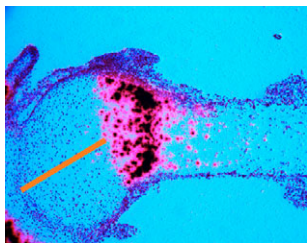


Development



Cover: Confocal image of the developing mouse eye at embryonic day 13.5. Different structures are identified by the immunolabelling of anti-BRN3B (retinal ganglion cells, red), anti-L1CAM (optic nerve, green) and anti-PROX1 (lens, blue). See research article by Pan et al. on p. 1981.



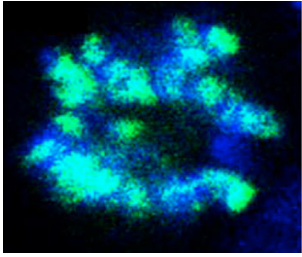
Section of a cultured proximal humerus of a *PTHrP*^{-/-} E14.5 mouse embryo hybridized with a *Col10a1* riboprobe, from a study that reveals that *lh* signaling has a novel, *PTHrP*-independent, role in promoting chondrocyte hypertrophy that is particularly important in postnatal cartilage development and homeostasis. See research article on p. 1947.

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- 1897** Post-meiotic transcription in *Drosophila* testes
Barreau, C., Benson, E., Gudmannsdottir, E., Newton, F. and White-Cooper, H.

RESEARCH ARTICLES

- 1903** A Myc-Slug (Snail2)/Twist regulatory circuit directs vascular development
Rodrigues, C. O., Nerlick, S. T., White, E. L., Cleveland, J. L. and King, M. L.
- 1913** Myopic acts in the endocytic pathway to enhance signaling by the *Drosophila* EGF receptor
Miura, G. I., Roignant, J.-Y., Wassef, M. and Treisman, J. E.
- 1923** The gradient of Gurken, a long-range morphogen, is directly regulated by Cbl-mediated endocytosis
Chang, W.-L., Liou, W., Pen, H.-C., Chou, H.-Y., Chang, Y.-W., Li, W.-H., Chiang, W. and Pai, L.-M.
- 1935** The multidomain protein Brpf1 binds histones and is required for Hox gene expression and segmental identity
Laue, K., Daujat, S., Crump, J. G., Plaster, N., Roehl, H. H., Tübingen 2000 Screen Consortium, Kimmel, C. B., Schneider, R. and Hammerschmidt, M.
- 1947** Indian hedgehog signals independently of PTHrP to promote chondrocyte hypertrophy
Mak, K. K., Kronenberg, H. M., Chuang, P.-T., Mackem, S. and Yang, Y.
- 1957** Essential roles of the acetylcholine receptor γ -subunit in neuromuscular synaptic patterning
Liu, Y., Padgett, D., Takahashi, M., Li, H., Sayeed, A., Teichert, R. W., Olivera, B. M., McArdle, J. J., Green, W. N. and Lin, W.
- 1969** PAP- and GLD-2-type poly(A) polymerases are required sequentially in cytoplasmic polyadenylation and oogenesis in *Drosophila*
Benoit, P., Papin, C., Kwak, J. E., Wickens, M. and Simonelig, M.
- 1981** ISL1 and BRN3B co-regulate the differentiation of murine retinal ganglion cells
Pan, L., Deng, M., Xie, X. and Gan, L.
- 1991** The TTG1-bHLH-MYB complex controls trichome cell fate and patterning through direct targeting of regulatory loci
Zhao, M., Morohashi, K., Hatlestad, G., Grotewold, E. and Lloyd, A.
- 2001** Hyaluronan fragments generated by sperm-secreted hyaluronidase stimulate cytokine/chemokine production via the TLR2 and TLR4 pathway in cumulus cells of ovulated COCs, which may enhance fertilization
Shimada, M., Yanai, Y., Okazaki, T., Noma, N., Kawashima, I., Mori, T. and Richards, J. S.
- 2013** The *Arabidopsis* COP9 signalosome is essential for G2 phase progression and genomic stability
Dohmann, E. M. N., Levesque, M. P., De Veylder, L., Reichardt, I., Jürgens, G., Schmid, M. and Schwechheimer, C.
- 2023** FoxM1-driven cell division is required for neuronal differentiation in early *Xenopus* embryos
Ueno, H., Nakajo, N., Watanabe, M., Isoda, M. and Sagata, N.
- 2031** Neurogenin 2 has an essential role in development of the dentate gyrus
Galichet, C., Guillemot, F. and Parras, C. M.



Mitotic HEK 293 cell nucleus transfected with GFP-Brpf1 (green, DAPI blue), showing its localization to a few distinct DNA domains. Brpf1, a novel trithorax group member, is reported to mediate histone acetylation and to mark Hox genes for maintained expression throughout vertebrate development. **See research article on p. 1935.**

DEVELOPMENT AND DISEASE

- 2043** Progressive myopathy and defects in the maintenance of myotendinous junctions in mice that lack talin 1 in skeletal muscle
Conti, F. J., Felder, A., Monkley, S., Schwander, M., Wood, M. R., Lieber, R., Critchley, D. and Müller, U.