



**Cover:** Fate mapping of spinal cord precursors by Cre-lox transgenesis. A section of E12.5 mouse spinal cord (*Dbx1-Cre* × *ROSA26-GFP*) shows GFP-labelled neuroepithelial cells with their neuronal and glial progeny (green). The section is colabelled with anti-Lbx1 (red), which detects floor-plate cells and dorsal neurons. See article by Fogarty et al. on p. 1951.

## Review

- Le Borgne, R., Bardin, A. and Schweisguth, F.**  
The roles of receptor and ligand endocytosis in regulating Notch signaling 1751-1762

## Research articles

- Thorpe, C. J., Weidinger, G. and Moon, R. T.**  
Wnt/β-catenin regulation of the Sp1-related transcription factor *sp5l* promotes tail development in zebrafish 1763-1772

- Maekawa, M., Yamamoto, T., Tanoue, T., Yuasa, Y., Chisaka, O. and Nishida, E.**  
Requirement of the MAP kinase signaling pathways for mouse preimplantation development 1773-1783

- Schubert, F. R. and Lumsden, A.**  
Transcriptional control of early tract formation in the embryonic chick midbrain 1785-1793

- Fukushige, T. and Krause, M.**  
The myogenic potency of HLH-1 reveals wide-spread developmental plasticity in early *C. elegans* embryos 1795-1805

- Offner, N., Duval, N., Jamrich, M. and Durand, B.**  
The pro-apoptotic activity of a vertebrate Bar-like homeobox gene plays a key role in patterning the *Xenopus* neural plate by limiting the number of *chordin*- and *shh*-expressing cells 1807-1818

- Hayward, P., Brennan, K., Sanders, P., Balayo, T., DasGupta, R., Perrimon, N. and Martinez Arias, A.**  
Notch modulates Wnt signalling by associating with Armadillo/β-catenin and regulating its transcriptional activity 1819-1830

- Light, W., Vernon, A. E., Lasorella, A., Iavarone, A. and LaBonne, C.**  
*Xenopus* Id3 is required downstream of Myc for the formation of multipotent neural crest progenitor cells 1831-1841

- Baugh, L. R., Hill, A. A., Claggett, J. M., Hill-Harfe, K., Wen, J. C., Slonim, D. K., Brown, E. L. and Hunter, C. P.**  
The homeodomain protein PAL-1 specifies a lineage-specific regulatory network in the *C. elegans* embryo 1843-1854

- West, H., Richardson, W. D. and Fruttiger, M.**  
Stabilization of the retinal vascular network by reciprocal feedback between blood vessels and astrocytes 1855-1862

- Salveti, A., Rossi, L., Lena, A., Batistoni, R., Deri, P., Rainaldi, G., Locci, M. T., Evangelista, M. and Gremigni, V.**  
*DjPum*, a homologue of *Drosophila Pumilio*, is essential to planarian stem cell maintenance 1863-1874

- Ji, J.-Y., Crest, J. and Schubiger, G.**  
Genetic interactions between Cdk1-CyclinB and the Separase complex in *Drosophila* 1875-1884

- Yoda, A., Kouike, H., Okano, H. and Sawa, H.**  
Components of the transcriptional Mediator complex are required for asymmetric cell division in *C. elegans* 1885-1893

- Blanco, J., Girard, F., Kamachi, Y., Kondoh, H. and Gehring, W. J.**  
Functional analysis of the chicken *δ1-crystallin* enhancer activity in *Drosophila* reveals remarkable evolutionary conservation between chicken and fly 1895-1905

- Kramer-Zucker, A. G., Olale, F., Haycraft, C. J., Yoder, B. K., Schier, A. F. and Drummond, I. A.**  
Cilia-driven fluid flow in the zebrafish pronephros, brain and Kupffer's vesicle is required for normal organogenesis 1907-1921

- Efimenko, E., Bubbs, K., Mak, H.-Y., Holzman, T., Leroux, M. R., Ruvkun, G., Thomas, J. H. and Swoboda, P.**  
Analysis of *xbx* genes in *C. elegans* 1923-1934

- Melkman, T. and Sengupta, P.**  
Regulation of chemosensory and GABAergic motor neuron development by the *C. elegans* *Aristaless/Arx* homologue *alr-1* 1935-1949

- Fogarty, M., Richardson, W. D. and Kessar, N.**  
A subset of oligodendrocytes generated from radial glia in the dorsal spinal cord 1951-1959

- Rallis, C., Del Buono, J. and Logan, M. P. O.**  
*Tbx3* can alter limb position along the rostrocaudal axis of the developing embryo 1961-1970

- Li, J. Y. H., Lao, Z. and Joyner, A. L.**  
New regulatory interactions and cellular responses in the isthmic organizer region revealed by altering *Gbx2* expression 1971-1981

- Forsthoefel, D. J., Liebl, E. C., Kolodziej, P. A. and Seeger, M. A.**  
The Abelson tyrosine kinase, the Trio GEF and Enabled interact with the Netrin receptor Frazzled in *Drosophila* 1983-1994

## Research article: Development and disease

- Yu, H.-M. I., Jerchow, B., Sheu, T.-J., Liu, B., Costantini, F., Puzas, J. E., Birchmeier, W. and Hsu, W.**  
The role of Axin2 in calvarial morphogenesis and craniosynostosis 1995-2005