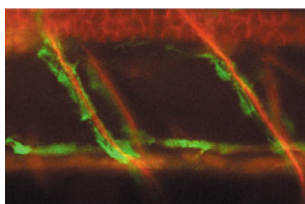


# Development



**Cover:** Expression of a transcription factor, CP2-like 1, in the duct epithelium of the salivary (submandibular, sublingual and parotid) gland and in the nasal glands in an E16 mouse embryo, revealed by X-gal staining. See article by Yamaguchi et al. on p. 4737.



*sox10:egfp* transgenic zebrafish at 5 dpf. GFP+ Schwann cells (green) are intimately associated with spinal nerve axons (DM-GRASP, red). From a study by Carney et al. that reports that Sox10 directly specifies zebrafish DRG sensory neuron by regulating *neurogenin1* transcription. See research article on p. 4619.

## MEETING REVIEW

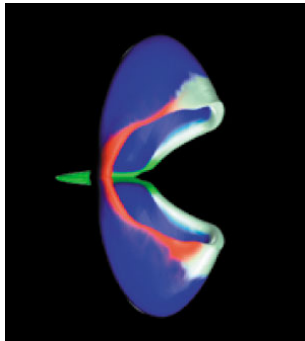
- 4609** Plant development: new models and approaches bring progress  
Long, J. A.

## RESEARCH REPORT

- 4613** A dynamic fate map of the forebrain shows how vertebrate eyes form and explains two causes of cyclopia  
England, S. J., Blanchard, G. B., Mahadevan, L. and Adams, R. J.

## RESEARCH ARTICLES

- 4619** A direct role for Sox10 in specification of neural crest-derived sensory neurons  
Carney, T. J., Dutton, K. A., Greenhill, E., Delfino-Machin, M., Dufourcq, P., Blader, P. and Kelsh, R. N.
- 4631** The *mir-84* and *let-7* paralogous microRNA genes of *Caenorhabditis elegans* direct the cessation of molting via the conserved nuclear hormone receptors NHR-23 and NHR-25  
Hayes, G. D., Frand, A. R. and Ruvkun, G.
- 4643** Shisa2 promotes the maturation of somitic precursors and transition to the segmental fate in *Xenopus* embryos  
Nagano, T., Takehara, S., Takahashi, M., Aizawa, S. and Yamamoto, A.
- 4655** Bchs, a BEACH domain protein, antagonizes Rab11 in synapse morphogenesis and other developmental events  
Khodosh, R., Augsburger, A., Schwarz, T. L. and Garrity, P. A.
- 4667** BMPs regulate multiple aspects of growth-plate chondrogenesis through opposing actions on FGF pathways  
Yoon, B. S., Pogue, R., Ovchinnikov, D. A., Yoshii, I., Mishina, Y., Behringer, R. R. and Lyons, K. M.
- 4679** The *Arabidopsis elch* mutant reveals functions of an ESCRT component in cytokinesis  
Spitzer, C., Schellmann, S., Sabovljevic, A., Shahriari, M., Keshavaiah, C., Bechtold, N., Herzog, M., Müller, S., Hanisch, F.-G. and Hülskamp, M.
- 4691** POL and PLL1 phosphatases are CLAVATA1 signaling intermediates required for *Arabidopsis* shoot and floral stem cells  
Song, S.-K., Lee, M. M. and Clark, S. E.
- 4699** *SUPPRESSOR OF FRI 4* encodes a nuclear-localized protein that is required for delayed flowering in winter-annual *Arabidopsis*  
Kim, S. Y. and Michaels, S. D.
- 4709** Cdx-Hox code controls competence for responding to Fgfs and retinoic acid in zebrafish neural tissue  
Shimizu, T., Bae, Y.-K. and Hibi, M.
- 4721** JAK/STAT signaling promotes regional specification by negatively regulating *wingless* expression in *Drosophila*  
Ekas, L. A., Baeg, G.-H., Flaherty, M. S., Ayala-Camargo, A. and Bach, E. A.
- 4731** Cytoplasmic activated protein kinase Akt regulates lipid-droplet accumulation in *Drosophila* nurse cells  
Vereshchagina, N. and Wilson, C.
- 4737** Grainyhead-related transcription factor is required for duct maturation in the salivary gland and the kidney of the mouse  
Yamaguchi, Y., Yonemura, S. and Takada, S.



A frame from an animation that illustrates the main forebrain-folding movements in a zebrafish embryo. In this study, England et al. track cell rearrangements during zebrafish forebrain morphogenesis by time-lapse confocal microscopy and propose, as a result, a new model for forebrain neurulation. **See research article on p. 4613.**

- 4749** Frizzled3a and Celsr2 function in the neuroepithelium to regulate migration of facial motor neurons in the developing zebrafish hindbrain  
Wada, H., Tanaka, H., Nakayama, S., Iwasaki, M. and Okamoto, H.
- 4761** *Arabidopsis* HAP2 (*GCS1*) is a sperm-specific gene required for pollen tube guidance and fertilization  
von Besser, K., Frank, A. C., Johnson, M. A. and Preuss, D.
- 4771** *Lobe* and *Serrate* are required for cell survival during early eye development in *Drosophila*  
Singh, A., Shi, X. and Choi, K.-W.
- 4783**  $\Delta$ Np63 plays an anti-apoptotic role in ventral bladder development  
Cheng, W., Jacobs, W. B., Zhang, J. J. R., Moro, A., Park, J.-H., Kushida, M., Qiu, W., Mills, A. A. and Kim, P. C. W.
- 4793** Corrigendum
- 4794** Erratum