



**Cover:** E16 mouse lung showing expression of *Hopx* (white, alveolar type I cell marker), *Sftpc* (green, alveolar type II cell marker) and *Tgfb1* (red, myofibroblast marker) by RNA *in situ* hybridization (blue, DAPI marking nuclei). During the canalicular stage of lung development, *Sftpc*<sup>+</sup> early alveolar type II cells demonstrate distinctly spatial separation from *Hopx*<sup>+</sup> early alveolar type I cells and adjacent *Tgfb1*<sup>+</sup> myofibroblasts, suggesting early fate commitment of the epithelium. See Research article by Negretti et al. (dev199512).

## PERSPECTIVE

Developmental Twists: A Colourful Character  
**Mogami, T.**  
dev200360

## INTERVIEWS

An interview with Scott Fraser  
**Grewal, S.**  
dev200393

The people behind the papers – Megan Rommelfanger and Adam MacLean  
dev200431

## SPOTLIGHT

The zebrafish issue: 25 years on  
**Mullins, M. C., Navajas Acedo, J., Priya, R., Solnica-Krezel, L. and Wilson, S. W.**  
dev200343

## REVIEW

Sculpting with stem cells: how models of embryo development take shape  
**Veenvliet, J. V., Lenne, P.-F., Turner, D. A., Nachman, I. and Trivedi, V.**  
dev192914

## STEM CELLS AND REGENERATION

Flower meristem maintenance by *TILLERS ABSENT 1* is essential for ovule development in rice  
**Tanaka, W., Ohmori, S., Kawakami, N. and Hirano, H.-Y.**  
dev199932

## RESEARCH REPORTS

A stop or go switch: glycogen synthase kinase 3 $\beta$  phosphorylation of the kinesin 1 motor domain at Ser314 halts motility without detaching from microtubules  
**Banerjee, R., Chakraborty, P., Yu, M. C. and Gunawardena, S.**  
dev199866

DPPA2 and DPPA4 are dispensable for mouse zygotic genome activation and pre-implantation development  
**Chen, Z., Xie, Z. and Zhang, Y.**  
dev200178

## RESEARCH ARTICLES

Molecular mechanisms of embryonic tail development in the self-fertilizing mangrove killifish *Kryptolebias marmoratus*  
**Saud, H. A., O'Neill, P. A., Ono, Y., Verbruggen, B., Van Aerle, R., Kim, J., Lee, J.-S., Ring, B. C. and Kudoh, T.**  
dev199675

Maternal *Smc3* protects the integrity of the zygotic genome through DNA replication and mitosis  
**Yueh, W.-T., Singh, V. P. and Gerton, J. L.**  
dev199800

A single-cell resolved cell-cell communication model explains lineage commitment in hematopoiesis  
**Rommelfanger, M. K. and MacLean, A. L.**  
dev199779

Maternal *Dppa2* and *Dppa4* are dispensable for zygotic genome activation but important for offspring survival  
**Kubinyecz, O., Santos, F., Drage, D., Reik, W. and Eckersley-Maslin, M. A.**  
dev200191

Generation and timing of graded responses to morphogen gradients  
**Carmon, S., Jonas, F., Barkai, N., Schejter, E. D. and Shilo, B.-Z.**  
dev199991

Translation-dependent mRNA localization to *Caenorhabditis elegans* adherens junctions  
**Tocchini, C., Rohner, M., Guerard, L., Ray, P., Von Stetina, S. E. and Mango, S. E.**  
dev200027

The microRNA miR-202 prevents precocious spermatogonial differentiation and meiotic initiation during mouse spermatogenesis  
**Chen, J., Gao, C., Lin, X., Ning, Y., He, W., Zheng, C., Zhang, D., Yan, L., Jiang, B., Zhao, Y., Alim Hossen, M. and Han, C.**  
dev199799

KATNB1 is a master regulator of multiple katanin enzymes in male meiosis and haploid germ cell development  
**Dunleavy, J. E. M., O'Connor, A. E., Okuda, H., Merriner, D. J. and O'Bryan, M. K.**  
dev199922

Frazzled/Dcc acts independently of Netrin to promote germline survival during *Drosophila* oogenesis  
**Russell, S. A., Laws, K. M. and Bashaw, G. J.**  
dev199762

## TECHNIQUES AND RESOURCES

Intermediate progenitor cells provide a transition between hematopoietic progenitors and their differentiated descendants  
**Spratford, C. M., Goins, L. M., Chi, F., Girard, J. R., Macias, S. N., Ho, V. W. and Banerjee, U.**  
dev200216

A single-cell atlas of mouse lung development

**Negretti, N. M., Plosa, E. J., Benjamin, J. T., Schuler, B. A., Habermann, A. C., Jetter, C. S., Gulleman, P., Bunn, C., Hackett, A. N., Ransom, M., Taylor, C. J., Nichols, D., Matlock, B. K., Guttentag, S. H., Blackwell, T. S., Banovich, N. E., Kropski, J. A. and Sucre, J. M. S.**

dev199512

## CORRECTION

Correction: The histone acetyltransferase HBO1 promotes efficient tip cell sprouting during angiogenesis

**Grant, Z. L., Hickey, P. F., Abeysekera, W., Whitehead, L., Lewis, S. M., Symons, R. C. A., Baldwin, T. M., Amann-Zalcenstein, D., Garnham, A. L., Naik, S. H., Smyth, G. K., Thomas, T., Voss, A. K. and Coultas, L.**

dev200377