



**Cover:** Basement membrane surrounds the gonad primordium in a recently hatched *C. elegans* larva and is required to control quiescence of the primordial germ cells. The basement membranes (green) and somatic gonadal cell membranes (magenta) are highlighted using a Photoshop filter that emphasizes edges. See Research article by McIntyre and Nance (dev201640).

## PERSPECTIVE

In preprints: of genitalia and six-legged mice

**Young, J. J.**

dev202264

Navigating a research career with a disability

**Anbuhl, K. L., Cazares, O., Hubert, K. A., Mahapatra, R. and Morgan, J. D.**

dev201906

Disability and developmental biology

**Morgan, J. D.**

dev201905

## INTERVIEW

Transitions in development – an interview with Momoko Ikeuchi

dev202176

## REVIEW

Biology of vascular mural cells

**Siekman, A. F.**

dev200271

## STEM CELLS AND REGENERATION

Control of gastruloid patterning and morphogenesis by the Erk and Akt signaling pathways

**Underhill, E. J. and Toettcher, J. E.**

dev201663

Niche cells regulate primordial germ cell quiescence in response to basement membrane signaling

**McIntyre, D. C. and Nance, J.**

dev201640

## RESEARCH ARTICLES

Neurogenesis redirects  $\beta$ -catenin from adherens junctions to the nucleus to promote axonal growth

**Herrera, A., Menendez, A., Ochoa, A., Bardia, L., Colombelli, J. and Pons, S.**

dev201651

*kcnj13* regulates pigment cell shapes in zebrafish and has diverged by cis-regulatory evolution between *Danio* species

**Podobnik, M., Singh, A. P., Fu, Z., Dooley, C. M., Frohnhöfer, H. G., Firlej, M., Stednitz, S. J., Elhabashy, H., Weyand, S., Weir, J. R., Lu, J., Nüsslein-Volhard, C. and Irion, U.**

dev201627

Conserved chamber-specific polyploidy maintains heart function in *Drosophila*

**Chakraborty, A., Peterson, N. G., King, J. S., Gross, R. T., Mendiola Pla, M., Thennavan, A., Zhou, K. C., DeLuca, S., Bursac, N., Bowles, D. E., Wolf, M. J. and Fox, D. T.**

dev201896

SWI/SNF complexes are required for retinal pigmented epithelium differentiation and for the inhibition of cell proliferation and neural differentiation programs

**Ovadia, S., Cui, G., Elkon, R., Cohen-Gulkar, M., Zuk-Bar, N., Tuoc, T., Jing, N. and Ashery-Padan, R.**

dev201488

Mechanical force regulates Sox9 expression at the developing enthesis

**Subramanian, A., Kanzaki, L. F. and Schilling, T. F.**

dev201141

The Fgf9-Nolz1-Wnt2 axis regulates morphogenesis of the lung

**Chen, S.-Y. and Liu, F.-C.**

dev201827

Axon guidance genes control hepatic artery development

**Gannoun, L., De Schrevel, C., Belle, M., Dauguet, N., Achouri, Y., Lorient, A., Vanderaa, C., Cordi, S., Dili, A., Heremans, Y., Rooman, I., Leclercq, I. A., Jacquemin, P., Gatto, L. and Lemaigre, F. P.**

dev201642

A Rab39-Klp98A-Rab35 endocytic recycling pathway is essential for rapid Golgi-dependent furrow ingression

**Miao, H., Millage, M., Rollins, K. R. and Blankenship, J. T.**

dev201547

## TECHNIQUES AND RESOURCES

Single-cell profiling of the developing embryonic heart in *Drosophila*

**Huang, X., Fu, Y., Lee, H., Zhao, Y., Yang, W., van de Leemput, J. and Han, Z.**

dev201936