



**Cover:** A mammary epithelial organoid derived from one primary mouse basal epithelial cell embedded in reconstituted basement membrane. The basal markers alpha smooth muscle actin (red) and Slug (green), the luminal marker keratin 8 (yellow), and nuclei (blue; DAPI) are labelled. See Research article by Peuhu et al. on p. 4103.

## REVIEWS

- 4047 Fibroblast growth factors: key players in regeneration and tissue repair  
**Maddaluno, L., Urwyler, C. and Werner, S.**

- 4061 The evolution of cortical development: the synapsid-diapsid divergence  
**Goffinet, A. M.**

- 4078 Developing a sense of touch  
**Jenkins, B. A. and Lumpkin, E. A.**

## STEM CELLS AND REGENERATION

- 4091 Interorgan regulation of *Drosophila* intestinal stem cell proliferation by a hybrid organ boundary zone  
**Sawyer, J. K., Cohen, E. and Fox, D. T.**

- 4103 Epithelial vimentin plays a functional role in mammary gland development  
**Peuhu, E., Virtakoivu, R., Mai, A., Wärri, A. and Ivaska, J.**

## RESEARCH ARTICLES

- 4114 The African Zika virus MR-766 is more virulent and causes more severe brain damage than current Asian lineage and dengue virus  
**Shao, Q., Herrlinger, S., Zhu, Y.-N., Yang, M., Goodfellow, F., Stice, S. L., Qi, X.-P., Brindley, M. A. and Chen, J.-F.**

- 4125 Synaptic input as a directional cue for migrating interneuron precursors  
**Wefers, A. K., Haberlandt, C., Tekin, N. B., Fedorov, D. A., Timmermann, A., van der Want, J. J. L., Chaudhry, F. A., Steinhäuser, C., Schilling, K. and Jabs, R.**

- 4137 Regulation of mitosis-meiosis transition by the ubiquitin ligase β-TrCP in male germ cells

**Nakagawa, T., Zhang, T., Kushi, R., Nakano, S., Endo, T., Nakagawa, M., Yanagihara, N., Zarkower, D. and Nakayama, K.**

- 4148 Talin regulates integrin β1-dependent and -independent cell functions in ureteric bud development

**Mathew, S., Palamuttam, R. J., Mernaugh, G., Ramalingam, H., Lu, Z., Zhang, M.-Z., Ishibe, S., Critchley, D. R., Fässler, R., Pozzi, A., Sanders, C. R., Carroll, T. J. and Zent, R.**

- 4159 Graf regulates hematopoiesis through GEEC endocytosis of EGFR

**Kim, S., Nahm, M., Kim, N., Kwon, Y., Kim, J., Choi, S., Choi, E. Y., Shim, J., Lee, C. and Lee, S.**

- 4173 Myc cooperates with β-catenin to drive gene expression in nephron progenitor cells

**Pan, X., Karner, C. M. and Carroll, T. J.**

- 4183 PFKFB4 control of AKT signaling is essential for premigratory and migratory neural crest formation

**Figueiredo, A. L., Maczkowiak, F., Borday, C., Pla, P., Sittewelle, M., Pegoraro, C. and Monsoro-Burq, A. H.**

## CORRECTION

- 4195 Correction: The many faces of hematopoietic stem cell heterogeneity. Development doi: 10.1242/dev.114231  
**Crisan, M. and Dzierzak, E.**