



Cover: Transverse section through the hindbrain level of an E2 chick embryo immunostained for laminin (red) and SOX10 (green). SOX10 is expressed by vagal neural crest cells and neuroepithelial cells forming the otic vesicles. Cell nuclei were stained with DAPI (blue). See Research article by Halasy et al. (dev201289).

EDITORIAL

Keeping up with the Node

Zenner, H. and Brown, K.

dev201858

PERSPECTIVE

In preprints: get to know your neighbours – cell interface surveillance through a molecular zip code

Ríos-Barrera, L. D. and Mirouse, V.

dev201798

INTERVIEWS

The people behind the papers – Kelsey Elliott and Samantha Brugmann

dev201869

The people behind the papers – Jian Xing, Agnieszka Lukomska, Bruce Rheaume and Ephraim Trakhtenberg

dev201870

REVIEW

Macrophage-stem cell crosstalk: regulation of the stem cell niche

Manneken, J. D. and Currie, P. D.

dev201510

HUMAN DEVELOPMENT

A conserved role of the Hippo signalling pathway in initiation of the first lineage specification event across mammals

Gerri, C., McCarthy, A., Scott, G. M., Regin, M., Stamatiadis, P., Brumm, S., Simon, C. S., Lee, J., Montesinos, C., Hassitt, C., Hockenhull, S., Hampshire, D., Elder, K., Snell, P., Christie, L., Fouladi-Nashta, A. A., Van de Velde, H. and Niakan, K. K.

dev201112

STEM CELLS AND REGENERATION

Post-injury born oligodendrocytes incorporate into the glial scar and contribute to the inhibition of axon regeneration

Xing, J., Lukomska, A., Rheaume, B. A., Kim, J., Sajid, M. S., Damania, A. and Trakhtenberg, E. F.

dev201311

Pten inhibition dedifferentiates long-distance axon-regenerating intrinsically photosensitive retinal ganglion cells and upregulates mitochondria-associated Dynlt1a and Lars2

Rheaume, B. A., Xing, J., Lukomska, A., Theune, W. C., Damania, A., Sjogren, G. and Trakhtenberg, E. F.

dev201644

RESEARCH ARTICLES

Ratiometric sensing of Pnt and Yan transcription factor levels confers ultrasensitivity to photoreceptor fate transitions in *Drosophila*

Bernasek, S. M., Hur, S. S. J., Peláez-Restrepo, N., Boisclair Lachance, J.-F., Bakker, R., Tejedor Navarro, H., Sanchez-Luege, N., Amaral, L. A. N., Bagheri, N., Rebay, I. and Carthew, R. W.

dev201467

The non-canonical Wnt receptor Ror2 is required for cartilage cell polarity and morphogenesis of the craniofacial skeleton in zebrafish

Dranow, D. B., Le Pabic, P. and Schilling, T. F.

dev201273

Craniofacial dysmorphology in Down syndrome is caused by increased dosage of Dyrk1a and at least three other genes

Redhead, Y., Gibbins, D., Lana-Elola, E., Watson-Scales, S., Dobson, L., Krause, M., Liu, K. J., Fisher, E. M. C., Green, J. B. A. and Tybulewicz, V. L. J.

dev201077

Foxn1 overexpression promotes thymic epithelial progenitor cell proliferation and mTEC maintenance, but does not prevent thymic involution

Li, J., Wachsmuth, L. P., Xiao, S., Condie, B. G. and Manley, N. R.

dev200995

CXCR4 and CXCL12 signaling regulates the development of extrinsic innervation to the colorectum

Halasy, V., Szőcs, E., Soós, Á., Kovács, T., Pecsenye-Fejszák, N., Hotta, R., Goldstein, A. M. and Nagy, N.

dev201289

A compound PCP scheme underlies sequential rosettes-based cell intercalation

Xu, Y., Cheng, Y., Chen, A. T. and Bao, Z.

dev201493

TECHNIQUES AND RESOURCES

Identification of a heterogeneous and dynamic cilium during embryonic development and cell differentiation

Elliott, K. H., Balchand, S. K., Bonatto Paese, C. L., Chang, C.-F., Yang, Y., Brown, K. M., Rasicci, D. T., He, H., Thorner, K., Chaturvedi, P., Murray, S. A., Chen, J., Porollo, A., Peterson, K. A. and Brugmann, S. A.

dev201237

Next-generation plasmids for transgenesis in zebrafish and beyond

Kemmler, C. L., Moran, H. R., Murray, B. F., Scoresby, A., Klem, J. R., Eckert, R. L., Lepovsky, E., Bertho, S., Nieuwenhuize, S., Burger, S., D'Agati, G., Betz, C., Puller, A.-C., Felker, A., Ditrychova, K., Bötschi, S., Affolter, M., Rohner, N., Lovely, C. B., Kwan, K. M., Burger, A. and Mosimann, C.

dev201531