



Cover: Stage 19 short-tailed fruit bat (*Carollia perspicillata*). On the left side is an image of the fixed embryo before staining; the right side shows the embryo after Alcian Blue staining for cartilage. This image, taken by Idoia Quintana-Urzaizqui, Paola Bertucci, Peter Warth and Chi-Kuo Hu at the 2014 Woods Hole MBL Embryology course, was chosen by readers of the Node (<http://thenode.biologists.com>).

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- 729** Building and re-building the heart by cardiomyocyte proliferation
Foglia, M. J. and Poss, K. D.
- 741** A comparative view of regenerative neurogenesis in vertebrates
Alunni, A. and Bally-Cuif, L.

STEM CELLS AND REGENERATION

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Ma, Q., de Cuevas, M. and Matunis, E. L.
- 764** BMP signaling and cellular dynamics during regeneration of airway epithelium from basal progenitors
Tadokoro, T., Gao, X., Hong, C. C., Hotten, D. and Hogan, B. L. M.

RESEARCH REPORTS

- 774** MEF2C regulates outflow tract alignment and transcriptional control of *Tdgf1*
Barnes, R. M., Harris, I. S., Jaehnig, E. J., Sauls, K., Sinha, T., Rojas, A., Schachterle, W., McCulley, D. J., Norris, R. A. and Black, B. L.
- 780** GATA4 and GATA6 regulate pancreatic endoderm identity through inhibition of hedgehog signaling
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- 787** *Tpbpa-Cre*-mediated deletion of TFAP2C leads to deregulation of *Cdkn1a*, *Akt1* and the ERK pathway, causing placental growth arrest
Sharma, N., Kubaczka, C., Kaiser, S., Nettersheim, D., Mughal, S. S., Riesenberger, S., Hölzel, M., Winterhager, E. and Schorle, H.
- 799** Makorin ortholog LEP-2 regulates LIN-28 stability to promote the juvenile-to-adult transition in *Caenorhabditis elegans*
Herrera, R. A., Kiontke, K. and Fitch, D. H. A.
- 810** KMT2D regulates specific programs in heart development via histone H3 lysine 4 di-methylation
Ang, S.-Y., Uebersohn, A., Spencer, C. I., Huang, Y., Lee, J.-E., Ge, K. and Bruneau, B. G.

- 822** Disruption of somitogenesis by a novel dominant allele of *Lfng* suggests important roles for protein processing and secretion
Williams, D. R., Shifley, E. T., Braunreiter, K. M. and Cole, S. E.

- 831** The Lhx9-integrin pathway is essential for positioning of the proepicardial organ
Tandon, P., Wilczewski, C. M., Williams, C. E. and Conlon, F. L.

- 841** Selection of cell fate in the organ of Corti involves the integration of Hes/Hey signaling at the *Atoh1* promoter
Abdolazimi, Y., Stojanova, Z. and Segil, N.

- 851** The H3K4me3/2 histone demethylase RBR-2 controls axon guidance by repressing the actin-remodeling gene *wsp-1*
Mariani, L., Lussi, Y. C., Vandamme, J., Riveiro, A. and Salcini, A. E.

- 864** A gradient of maternal Bicaudal-C controls vertebrate embryogenesis via translational repression of mRNAs encoding cell fate regulators
Park, S., Blaser, S., Marchal, M. A., Houston, D. W. and Sheets, M. D.

- 872** Endothelial cell specification in the somite is compromised in Pax3-positive progenitors of *Foxc1/2* conditional mutants, with loss of forelimb myogenesis
Mayeuf-Louchart, A., Montarras, D., Bodin, C., Kume, T., Vincent, S. D. and Buckingham, M.

- 880** The late and dual origin of cerebrospinal fluid-contacting neurons in the mouse spinal cord
Petracca, Y. L., Sartoretti, M. M., Di Bella, D. J., Marin-Burgin, A., Carcagno, A. L., Schinder, A. F. and Lanuza, G. M.

- 892** Rab8 directs furrow ingression and membrane addition during epithelial formation in *Drosophila melanogaster*
Mavor, L. M., Miao, H., Zuo, Z., Holly, R. M., Xie, Y., Loerke, D. and Blankenship, J. T.

CORRECTION

- 904** Robust derivation of epicardium and its differentiated smooth muscle cell progeny from human pluripotent stem cells
Iyer, D., Gambardella, L., Bernard, W. G., Serrano, F., Mascetti, V. L., Pedersen, R. A., Sinha, S. and Talasila, A.