Cover: A sea urchin blastula expressing Myc-tagged HIFα (green) on the prospective dorsal side and nodal transcript (red) on the prospective ventral side, an asymmetric distribution that provides positional bias for dorsoventral patterning. Blue, Hoechst. See Research article by Chang et al. on p. 2940.

**SPOTLIGHT**
2859 An interview with Jenny Nichols
Maartens, A.

**PRIMER**
2862 Wilms’ tumour 1 (WT1) in development, homeostasis and disease
Hastie, N. D.

**REVIEW**
2873 Cellular and molecular mechanisms coordinating pancreas development
Bastidas-Ponce, A., Scheibner, K., Lickert, H. and Bakhti, M.

**STEM CELLS AND REGENERATION**
2889 Live fate-mapping of joint-associated fibroblasts visualizes expansion of cell contributions during zebrafish fin regeneration
Tornini, V. A., Thompson, J. D., Allen, R. L. and Poss, K. D.

**RESEARCH REPORT**
2907 A novel function for the IκB inhibitor Cactus in promoting Dorsal nuclear localization and activity in the Drosophila embryo
Cardoso, M. A., Fontenele, M., Lim, B., Bisch, P. M., Shvartsman, S. Y. and Araujo, H. M.

**RESEARCH ARTICLES**
2914 PLCζ is the physiological trigger of the Ca^{2+} oscillations that induce embryogenesis in mammals but conception can occur in its absence

2925 Loss of DNA methylation in zebrafish embryos activates retrotransposons to trigger antiviral signaling

2940 Asymmetric distribution of hypoxia-inducible factor α regulates dorsoventral axis establishment in the early sea urchin embryo

2951 Loss of DNA methylation in zebrafish embryos activates retrotransposons to trigger antiviral signaling

2951 Cas9-mediated excision of Nematostella brachyury disrupts endoderm development, pharynx formation and oral-aboral patterning
Servetnick, M. D., Steinworth, B., Babonis, L. S., Simmons, D., Salinas-Saavedra, M. and Martindale, M. Q.

2961 Myosin II is not required for Drosophila tracheal branch elongation and cell intercalation
Ochoa-Espinosa, A., Harmansa, S., Caussinus, E. and Affolter, M.

2969 A key role for foxQ2 in anterior head and central brain patterning in insects
Kitzmann, P., Weißkopf, M., Schacht, M. I. and Bucher, G.

2982 Asymmetric distribution of hypoxia-inducible factor α regulates dorsoventral axis establishment in the early sea urchin embryo

2994 Genome-wide analysis of facial skeletal regionalization in zebrafish