



Cover: Immunostaining of a *Drosophila* third larval instar eye-antennal disc showing the progression of the morphogenetic furrow by staining for expression of *decapentaplegic* (*dpp*), which encodes a ligand for the Transforming Growth factor β (TGF β) pathway (peach). See research article by Weasner and Kumar (dev199634).

DEVELOPMENTAL TWISTS

A Fateful Tour

Mogami, T.

dev200453

INTERVIEWS

The people behind the papers – Chunyan Fang and Xiaoling Tong

dev200484

An Interview with Mansi Srivastava

Galander, S.

dev200452

HYPOTHESIS

The role of DNA methylation in genome-wide gene regulation during development

Cedar, H., Sabag, O. and Reizel, Y.

dev200118

STEM CELLS AND REGENERATION

Hyaline cartilage differentiation of fibroblasts in regeneration and regenerative medicine

Yu, L., Lin, Y.-L., Yan, M., Li, T., Wu, E. Y., Zimmel, K., Qureshi, O., Falck, A., Sherman, K. M., Huggins, S. S., Hurtado, D. O., Suva, L. J., Gaddy, D., Cai, J., Brunauer, R., Dawson, L. A. and Muneoka, K.

dev200249

A single-cell atlas of *de novo* β -cell regeneration reveals the contribution of hybrid β/δ -cells to diabetes recovery in zebrafish

Singh, S. P., Chawla, P., Hnatiuk, A., Kamel, M., Silva, L. D., Spanjaard, B., Eski, S. E., Janjuha, S., Olivares-Chauvet, P., Kayisoglu, O., Rost, F., Bläsche, J., Kränkel, A., Petzold, A., Kurth, T., Reinhardt, S., Junker, J. P. and Ninov, N.

dev199853

Vascular endothelial growth factor c regulates hematopoietic stem cell fate in the dorsal aorta

Schiavo, R. K. and Tamplin, O. J.

dev199498

RESEARCH ARTICLES

The Hox gene *Antennapedia* is essential for wing development in insects

Fang, C., Xin, Y., Sun, T., Monteiro, A., Ye, Z., Dai, F., Lu, C. and Tong, X.

dev199841

Aster repulsion drives short-ranged ordering in the *Drosophila* syncytial blastoderm

de-Carvalho, J., Tlili, S., Hufnagel, L., Saunders, T. E. and Telley, I. A.

dev199997

The timing of cell fate decisions is crucial for initiating pattern formation in the *Drosophila* eye

Weasner, B. M. and Kumar, J. P.

dev199634

Stabilization of β -catenin promotes melanocyte specification at the expense of the Schwann cell lineage

Colombo, S., Petit, V., Wagner, R. Y., Champeval, D., Yajima, I., Gesbert, F., Aktary, Z., Davidson, I., Delmas, V. and Larue, L.

dev194407

TMEM8C-mediated fusion is regionalized and regulated by NOTCH signalling during foetal myogenesis

Esteves de Lima, J., Blavet, C., Bonnin, M.-A., Hirsinger, E., Havis, E., Relaix, F. and Duprez, D.

dev199928

Pthlh and mechanical force control early patterning of growth zones in the zebrafish craniofacial skeleton

Hoyle, D. J., Dranow, D. B. and Schilling, T. F.

dev199826

Transmural pressure signals through retinoic acid to regulate lung branching

Jaslove, J. M., Goodwin, K., Sundarakrishnan, A., Spurlin III, J. W., Mao, S., Košmrlj, A. and Nelson, C. M.

dev199726

Astrocyte-intrinsic and -extrinsic *Fat1* activities regulate astrocyte development and angiogenesis in the retina

Helmbacher, F.

dev192047

Regulation of retinal amacrine cell generation by miR-216b and Foxn3

Zhang, H., Zhuang, P., Welchko, R. M., Dai, M., Meng, F. and Turner, D. L.

dev199484

C2CD6 regulates targeting and organization of the CatSper calcium channel complex in sperm flagella

Yang, F., Gracia Gervasi, M., Orta, G., Tourzani, D. A., De la Vega-Beltrán, J. L., Ruthel, G., Darszon, A., Visconti, P. E. and Wang, P. J.

dev199988