



Cover: Scanning electron micrograph of the actinotroch larvae of the horseshoe worm *Phoronis muelleri*. Image courtesy of Jürgen Berger and Gáspár Jékely. See Research article by Andrikou and Hejnol (dev196089).

REVIEWS

Lipid metabolism in focus: how the build-up and breakdown of lipids affects stem cells

Madsen, S., Ramosaj, M. and Knobloch, M.

dev191924

Bioelectric signaling as a unique regulator of development and regeneration

Harris, M. P.

dev180794

STEM CELLS AND REGENERATION

FGF signalling plays similar roles in development and regeneration of the skeleton in the brittle star *Amphiura filiformis*

Czarkwiani, A., Dylus, D. V., Carballo, L. and Oliveri, P.

dev180760

Direct repression of *Nanog* and *Oct4* by OTX2 modulates the contribution of epiblast-derived cells to germline and somatic lineage

Di Giovannantonio, L. G., Acampora, D., Omodei, D., Nigro, V., Barba, P., Barbieri, E., Chambers, I. and Simeone, A.

dev199166

RESEARCH REPORT

Local protein synthesis of neuronal MT1-MMP for agrin-induced presynaptic development

Yu, J., Oentaryo, M. J. and Lee, C. W.

dev199000

RESEARCH ARTICLES

Brahma-related gene 1 has time-specific roles during brain and eye development

Holdhof, D., Schoof, M., Al-Kershi, S., Spohn, M., Kresbach, C., Göbel, C., Hellwig, M., Indenbirken, D., Moreno, N., Kerl, K. and Schüller, U.

dev196147

MEIS-WNT5A axis regulates development of fourth ventricle choroid plexus

Kaiser, K., Jang, A., Kompanikova, P., Lun, M. P., Prochazka, J., Machon, O., Dani, N., Prochazkova, M., Laurent, B., Gyllborg, D., van Amerongen, R., Fame, R. M., Gupta, S., Wu, F., Barker, R. A., Bukova, I., Sedlacek, R., Kozmík, Z., Arenas, E., Lehtinen, M. K. and Bryja, V.

dev192054

Postnatal prolongation of mammalian nephrogenesis by excess fetal GDNF

Li, H., Kurtzeborn, K., Kupari, J., Gui, Y., Sieker, E., Lu, B., Mälik, K., Olfat, S., Montaño-Rodríguez, A. R., Huh, S.-H., Costantini, F., Andressoo, J.-O. and Kuure, S.

dev197475

Mutation of an *Arabidopsis* Golgi membrane protein ELMO1 reduces cell adhesion

Kohorn, B. D., Zorensky, F. D. H., Dexter-Meldrum, J., Chabout, S., Mouille, G. and Kohorn, S.

dev199420

Defective mesothelium and limited physical space are drivers of dysregulated lung development in a genetic model of congenital diaphragmatic hernia

Gilbert, R. M., Schappell, L. E. and Gleghorn, J. P.

dev199460

Maintenance DNA methylation in pre-meiotic germ cells regulates meiotic prophase by facilitating homologous chromosome pairing

Takada, Y., Yaman-Deveci, R., Shirakawa, T., Sharif, J., Tomizawa, S., Miura, F., Ito, T., Ono, M., Nakajima, K., Koseki, Y., Shiotani, F., Ishiguro, K., Ohbo, K. and Koseki, H.

dev194605

FGF signaling acts on different levels of mesoderm development within Spiralia

Andrikou, C. and Hejnol, A.

dev196089

A combination of Notch signaling, preferential adhesion and endocytosis induces a slow mode of cell intercalation in the *Drosophila* retina

Blackie, L., Tozluoglu, M., Trylinski, M., Walther, R. F., Schweisguth, F., Mao, Y. and Pichaud, F.

dev197301

Kindlin2 regulates neural crest specification via integrin-independent regulation of the FGF signaling pathway

Wang, H., Wang, C., Long, Q., Zhang, Y., Wang, M., Liu, J., Qi, X., Cai, D., Lu, G., Sun, J., Yao, Y.-G., Chan, W. Y., Chan, W. Y., Deng, Y. and Zhao, H.

dev199441