



Cover: A *Drosophila* embryo with FasII (green) labelling motor neuron axons, Elav (pink) labelling neuronal nuclei, and DAPI (blue) labelling all nuclei. This image was taken by Soraya Villaseca Herrera at the 2018 EMBO Practical Course on Developmental Biology in Quintay, Chile, and chosen by readers of the Node (<http://thenode.biologists.com>).

SPOTLIGHT

An interview with Richard Gardner

Maartens, A.

dev167858

MEETING REVIEW

Single-cell biology: resolving biological complexity, one cell at a time

Ranzoni, A. M. and Cvejic, A.

dev163972

PRIMER

TOR signaling in plants: conservation and innovation

Shi, L., Wu, Y. and Sheen, J.

dev160887

REVIEW

Getting leaves into shape: a molecular, cellular, environmental and evolutionary view

Maugarny-Calès, A. and Laufs, P.

dev161646

RESEARCH ARTICLES

Gibberellins negatively modulate ovule number in plants

Gomez, M. D., Barro-Trastoy, D., Escoms, E., Saura-Sánchez, M., Sánchez, I., Briones-Moreno, A., Vera-Sirera, F., Carrera, E., Ripoll, J.-J., Yanofsky, M. F., Lopez-Díaz, I., Alonso, J. M. and Perez-Amador, M. A.

dev163865

Intracellular biosynthesis of lipids and cholesterol by Scap and Insig in mesenchymal cells regulates long bone growth and chondrocyte homeostasis

Tsushima, H., Tang, Y. J., Puvilindran, V., Hsu, S.-H. C., Nadesan, P., Yu, C., Zhang, H., Mirando, A. J., Hilton, M. J. and Alman, B. A.

dev162396

Retinoic acid receptor signaling is necessary in steroidogenic cells for normal spermatogenesis and epididymal function

Jauregui, E. J., Mitchell, D., Topping, T., Hogarth, C. A. and Griswold, M. D.

dev160465

Bsx controls pineal complex development

Schredelseker, T. and Driever, W.

dev163477

The *Drosophila* Hox gene *Ultrabithorax* controls appendage shape by regulating extracellular matrix dynamics

De las Heras, J. M., García-Cortés, C., Foronda, D., Pastor-Pareja, J. C., Shashidhara, L. S. and Sánchez-Herrero, E.

dev161844

In locus analysis of patterning evolution of the BMP type II receptor Wishful thinking

Marmion, R. A. and Yakoby, N.

dev161083

Hedgehog-GLI signaling in *Foxd1*-positive stromal cells promotes murine nephrogenesis via TGF β signaling

Rowan, C. J., Li, W., Martirosyan, H., Erwood, S., Hu, D., Kim, Y.-K., Sheybani-Deloui, S., Mulder, J., Blake, J., Chen, L. and Rosenblum, N. D.

dev159947

Oncogenic cooperation between Yorkie and the conserved microRNA *miR-8* in the wing disc of *Drosophila*

Sander, M., Eichenlaub, T. and Herranz, H.

dev153817

PDGF-A suppresses contact inhibition during directional collective cell migration

Nagel, M. and Winklbauer, R.

dev162651

Sox30 initiates transcription of haploid genes during late meiosis and spermiogenesis in mouse testes

Bai, S., Fu, K., Yin, H., Cui, Y., Yue, Q., Li, W., Cheng, L., Tan, H., Liu, X., Guo, Y., Zhang, Y., Xie, J., He, W., Wang, Y., Feng, H., Xin, C., Zhang, J., Lin, M., Shen, B., Sun, Z., Guo, X., Zheng, K. and Ye, L.

dev164855

Two distinct ontogenies confer heterogeneity to mouse brain microglia

De, S., Van Deren, D., Peden, E., Hockin, M., Boulet, A., Titen, S. and Capecchi, M. R.

dev152306

Defective endothelial cell migration in the absence of Cdc42 leads to capillary-venous malformations

Laviña, B., Castro, M., Niaudet, C., Cruys, B., Álvarez-Aznar, A., Carmeliet, P., Bentley, K., Brakebusch, C., Betsholtz, C. and Gaengel, K.

dev161182

Two independent sulfation processes regulate mouth-form plasticity in the nematode *Pristionchus pacificus*

Namdeo, S., Moreno, E., Rödelsperger, C., Baskaran, P., Witte, H. and Sommer, R. J.

dev166272

Stratum recruits Rab8 at Golgi exit sites to regulate the basolateral sorting of Notch and Sanpodo

Bellec, K., Gicquel, I. and Le Borgne, R.

dev163469

Bmp2 and Notch cooperate to pattern the embryonic endocardium
Papoutsi, T., Luna-Zurita, L., Prados, B., Zaffran, S.
and de la Pompa, J. L.
dev163378

Amniotic ectoderm expansion in mouse occurs via distinct modes and requires SMAD5-mediated signalling
Dobreva, M. P., Abon Escalona, V., Lawson, K. A., Sanchez, M. N., Ponomarev, L. C., Pereira, P. N. G., Stryjewska, A., Criem, N., Huylebroeck, D., Chuva de Sousa Lopes, S. M., Aerts, S. and Zwijnen, A.
dev157222

Collaborative repressive action of the antagonistic ETS transcription factors Pointed and Yan fine-tunes gene expression to confer robustness in *Drosophila*
Webber, J. L., Zhang, J., Massey, A., Sanchez-Luege, N. and Rebay, I.
dev165985

TECHNIQUES AND RESOURCES

SLAM-ITseq: sequencing cell type-specific transcriptomes without cell sorting
Matsushima, W., Herzog, V. A., Neumann, T., Gapp, K., Zuber, J., Ameres, S. L. and Miska, E. A.
dev164640

CORRECTIONS

Correction: Combinatorial actions of Tgf β and Activin ligands promote oligodendrocyte development and CNS myelination (doi:10.1242/dev.106492)
Dutta, D. J., Zameer, A., Mariani, J. N., Zhang, J., Asp, L., Huynh, J., Mahase, S., Laitman, B. M., Argaw, A. T., Mitiku, N., Urbanski, M., Melendez-Vasquez, C. V., Casaccia, P., Hayot, F., Bottinger, E. P., Brown, C. W. and John, G. R.
dev168708

Correction: Early bioelectric activities mediate redox-modulated regeneration (doi: 10.1242/dev.142034)
Ferreira, F., Luxardi, G., Reid, B. and Zhao, M.
dev168625

Correction: PI(4,5)P₂ forms dynamic cortical structures and directs actin distribution as well as polarity in *Caenorhabditis elegans* embryos (doi: 10.1242/dev.164988)
Scholze, M. J., Barbieux, K. S., De Simone, A., Boumasmoud, M., Süess, C. C. N., Wang, R. and Gönczy, P.
dev169144