



Cover: Fluorescence image of intersegmental vessel regression, in the absence of secondary sprouting, in the zebrafish trunk at 2 days post fertilization in *Tg[flil1a:EGFP]^{y1}* (green; labels the entire vasculature); *Tg[-0.8flil1:RFP]^{hu5333}* (red; labels primarily arterial vasculature) *ccbe1/dll4* morphant embryos. See Research article by Geudens et al. (dev181024).

INTERVIEW

The people behind the papers – Maurício Rocha-Martins and Mariana Silveira
dev182998

OBITUARY

Heinrich Reichert (1949-2019)
Sen, S. and VijayRaghavan, K.
dev183517

PRIMER

MEIS transcription factors in development and disease
Schulte, D. and Geerts, D.
dev174706

REVIEW

Making and breaking symmetry in development, growth and disease
Grimes, D. T.
dev170985

HUMAN DEVELOPMENT

WNT/ β -catenin modulates the axial identity of embryonic stem cell-derived human neural crest
Gomez, G. A., Prasad, M. S., Wong, M., Charney, R. M., Shelar, P. B., Sandhu, N., Hackland, J. O. S., Hernandez, J. C., Leung, A. W. and García-Castro, M. I.
dev175604

STEM CELLS AND REGENERATION

Laminin $\alpha 2$ controls mouse and human stem cell behaviour during midbrain dopaminergic neuron development
Ahmed, M., Marziali, L. N., Arenas, E., Feltri, M. L. and ffrench-Constant, C.
dev172668

De novo genesis of retinal ganglion cells by targeted expression of *Klf4* *in vivo*
Rocha-Martins, M., de Toledo, B. C., Santos-França, P. L., Oliveira-Valença, V. M., Vieira-Vieira, C. H., Matos-Rodrigues, G. E., Linden, R., Norden, C., Martins, R. A. P. and Silveira, M. S.
dev176586

RESEARCH REPORT

A homolog of the ALOG family controls corolla tube differentiation in *Torenia fournieri*
Xiao, W., Su, S., Higashiyama, T. and Luo, D.
dev177410

RESEARCH ARTICLES

Artery-vein specification in the zebrafish trunk is pre-patterned by heterogeneous Notch activity and balanced by flow-mediated fine-tuning
Geudens, I., Coxam, B., Alt, S., Gebala, V., Vion, A.-C., Meier, K., Rosa, A. and Gerhardt, H.
dev181024

The Hox gene *Abdominal-B* uses Doublesex^F as a cofactor to promote neuroblast apoptosis in the *Drosophila* central nervous system
Ghosh, N., Bakshi, A., Khandelwal, R., Rajan, S. G. and Joshi, R.
dev175158

Genome-wide identification of binding sites and gene targets of Alx1, a pivotal regulator of echinoderm skeletogenesis
Khor, J. M., Guerrero-Santoro, J. and Etensohn, C. A.
dev180653

Mesenchymal proteases and tissue fluidity remodel the extracellular matrix during airway epithelial branching in the embryonic avian lung
Spurlin, J. W., Siedlik, M. J., Nerger, B. A., Pang, M.-F., Jayaraman, S., Zhang, R. and Nelson, C. M.
dev175257

Syndapin constricts microvillar necks to form a united rhabdomere in *Drosophila* photoreceptors
Ogi, S., Matsuda, A., Otsuka, Y., Liu, Z., Satoh, T. and Satoh, A. K.
dev169292