



Cover: CaspaseTracker/CasExpress (a caspase 3-activatable Gal4/UAS system) combined with G-TRACE (Gal4 technique for real-time and clonal expression) labels cells activated by caspase 3 prior to (nuclear GFP; green) or at the time of (nuclear RFP; magenta) imaging in *Drosophila* pupal notum. Tiled confocal stack image. Anterior: top. See Research article by Fujisawa et al. (dev169037).

EDITORIAL

Let there be preLights: one year on
Briscoe, J. and Brown, K.
dev176651

OBITUARY

Obituary: Jarema Malicki (1965-2019)
Johnson, C. A.
dev176677

INTERVIEW

An interview with Cassandra Extavour
Maartens, A.
dev176016

REVIEW

Neural stem cells: origin, heterogeneity and regulation in the adult mammalian brain
Obernier, K. and Alvarez-Buylla, A.
dev156059

STEM CELLS AND REGENERATION

Cell-autonomous and redundant roles of Hey1 and HeyL in muscle stem cells: HeyL requires Hes1 to bind diverse DNA sites
Noguchi, Y.-t., Nakamura, M., Hino, N., Nogami, J., Tsuji, S., Sato, T., Zhang, L., Tsujikawa, K., Tanaka, T., Izawa, K., Okada, Y., Doi, T., Kokubo, H., Harada, A., Uezumi, A., Gessler, M., Ohkawa, Y. and Fukada, S.-i.
dev163618

Ecrq4 deficiency extends the replicative capacity of neural stem cells in a Foxg1-dependent manner
Nakatani, Y., Kiyonari, H. and Kondo, T.
dev168120

Multiple supporting cell subtypes are capable of spontaneous hair cell regeneration in the neonatal mouse cochlea
McGovern, M. M., Randle, M. R., Cuppini, C. L., Graves, K. A. and Cox, B. C.
dev171009

Non-apoptotic function of *Drosophila* caspase activation in epithelial thorax closure and wound healing
Fujisawa, Y., Kosakamoto, H., Chihara, T. and Miura, M.
dev169037

BMP signaling is required for amphioxus tail regeneration
Liang, Y., Rathnayake, D., Huang, S., Pathirana, A., Xu, Q. and Zhang, S.
dev166017

RESEARCH REPORTS

The OsJAZ1 degron modulates jasmonate signaling sensitivity during rice development
Tian, J., Cao, L., Chen, X., Chen, M., Zhang, P., Cao, L., Persson, S., Zhang, D. and Yuan, Z.
dev173419

TOP1 α regulates *FLOWERING LOCUS C* expression by coupling histone modification and transcription machinery
Zhong, P., Li, J., Luo, L., Zhao, Z. and Tian, Z.
dev167841

RESEARCH ARTICLES

Common cellular origin and diverging developmental programs for different sesamoid bones
Eyal, S., Rubin, S., Krief, S., Levin, L. and Zelzer, E.
dev167452

ATML1 activity is restricted to the outermost cells of the embryo through post-transcriptional repressions
Iida, H., Yoshida, A. and Takada, S.
dev169300

USP22 controls multiple signaling pathways that are essential for vasculature formation in the mouse placenta
Koutelou, E., Wang, L., Schibler, A. C., Chao, H.-P., Kuang, X., Lin, K., Lu, Y., Shen, J., Jeter, C. R., Salinger, A., Wilson, M., Chen, Y. C., Atanassov, B. S., Tang, D. G. and Dent, S. Y. R.
dev174037

Gene-environment interaction impacts on heart development and embryo survival
Moreau, J. L. M., Kesteven, S., Martin, E. M. M. A., Lau, K. S., Yam, M. X., O'Reilly, V. C., del Monte-Nieto, G., Baldini, A., Feneley, M. P., Moon, A. M., Harvey, R. P., Sparrow, D. B., Chapman, G. and Dunwoodie, S. L.
dev172957

Morphogenesis of neurons and glia within an epithelium
Low, I. I. C., Williams, C. R., Chong, M. K., McLachlan, I. G., Wierbowski, B. M., Kolotuev, I. and Heiman, M. G.
dev171124

The HMG box transcription factors Sox1a and Sox1b specify a new class of glycinergic interneuron in the spinal cord of zebrafish embryos
Gerber, V., Yang, L., Takamiya, M., Ribes, V., Gourain, V., Peravali, R., Stegmaier, J., Mikut, R., Reischl, M., Ferg, M., Rastegar, S. and Strähle, U.
dev172510

Nell2 regulates the contralateral-versus-ipsilateral visual projection as a domain-specific positional cue
Nakamoto, C., Durward, E., Horie, M. and Nakamoto, M.
dev170704

Postnatal liver functional maturation requires Cnot complex-mediated decay of mRNAs encoding cell cycle and immature liver genes
Suzuki, T., Kikuguchi, C., Nishijima, S., Nagashima, T., Takahashi, A., Okada, M. and Yamamoto, T.
dev168146

Genetic interactions support an inhibitory relationship between bone morphogenetic protein 2 and netrin 1 during semicircular canal formation
Hwang, C. H., Keller, J., Renner, C., Ohta, S. and Wu, D. K.
dev174748

CORRECTION

Correction: Distinct roles and requirements for Ras pathway signaling in visceral versus somatic muscle founder specification (doi: 10.1242/dev.169003)
Zhou, Y., Popadowski, S. E., Deutschman, E. and Halfon, M. S.
dev176743