



Cover: Nuclei of cholinergic neurons of the adult *Drosophila* brain, pseudo-coloured using depth coding. From a study by Estacio-Gómez and colleagues. Image licensed under a Creative Commons Attribution 4.0 International license.

RESEARCH ARTICLES

Dynamic neurotransmitter specific transcription factor expression profiles during *Drosophila* development
Estacio-Gómez, A., Hassan, A., Walmsley, E., Le, L. W. and Southall, T. D.
bio052928

Advanced oxidation protein products change biological behaviors of rat endometrial epithelial cells by activating ERK/P38 signaling pathways
Liu, J., Wen, S., Lin, Y., Yang, X., Liu, Z., Quan, S. and Song, Y.
bio048876

Endurance exercise protects aging *Drosophila* from high-salt diet (HSD)-induced climbing capacity decline and lifespan decrease by enhancing antioxidant capacity
Wen, D.-T., Wang, W.-Q., Hou, W.-Q., Cai, S.-X. and Zhai, S.-S.
bio045260

V-ATPase subunit B plays essential roles in the molting process of the Chinese mitten crab, *Eriocheir sinensis*
Hou, X., Chen, X., Yang, H., Yue, W., Wang, J., Han, H. and Wang, C.
bio048926

A novel and cost-effective *ex vivo* orthotopic model for the study of human breast cancer in mouse mammary gland organ culture
Gupta, A., Gupta, G., Mehta, R. R., Ivancic, D. Z., Walker, R. R., Patel, J. R., Gallegos, K. M., Davidson, A. M., Khan, S. A., Mehta, R. G. and Tilghman, S. L.
bio051649

DJ-1 promotes epithelial-to-mesenchymal transition via enhancing FGF9 expression in colorectal cancer
Li, L., Zhang, C., Li, Y., Zhang, Y. and Lei, Y.
bio051680

Reissner fibre-induced urotensin signalling from cerebrospinal fluid-contacting neurons prevents scoliosis of the vertebrate spine
Lu, H., Shagirova, A., Goggi, J. L., Yeo, H. L. and Roy, S.
bio052027

Zebrafish disease model of human RNASET2-deficient cystic leukoencephalopathy displays abnormalities in early microglia
Weber, T., Schlotawa, L., Dosch, R., Hamilton, N., Kaiser, J., Schiller, S., Wenske, B., Gärtner, J. and Henneke, M.
bio049239

A long lost key opens an ancient lock: *Drosophila* Myb causes a synthetic multivulval phenotype in nematodes
Vorster, P. J., Goetsch, P., Wijeratne, T. U., Guiley, K. Z., Andrejka, L., Tripathi, S., Larson, B. J., Rubin, S. M., Strome, S. and Lipsick, J. S.
bio051508

RNA-seq analysis and compound screening highlight multiple signalling pathways regulating secondary cell death after acute CNS injury *in vivo*
Herzog, C., Greenald, D., Larraz, J., Keatinge, M. and Herrgen, L.
bio050260

Neuronal upregulation of Prospero protein is driven by alternative mRNA polyadenylation and Syncrip-mediated mRNA stabilisation
Samuels, T. J., Arava, Y., Järvelin, A. I., Robertson, F., Lee, J. Y., Yang, L., Yang, C.-P., Lee, T., Ish-Horowicz, D. and Davis, I.
bio049684

Drp1-mediated mitochondrial fission regulates calcium and F-actin dynamics during wound healing
Ponte, S., Carvalho, L., Gagliardi, M., Campos, I., Oliveira, P. J. and Jacinto, A.
bio048629

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bio053231

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bio053066

First person – Hao Lu
bio052951

First person – Chiara Herzog and David Greenald
bio052654

First person – Tamsin Samuels
bio051698

CORRECTION

Correction: Characterization and analysis of *CCR* and *CAD* gene families at the whole-genome level for lignin synthesis of stone cells in pear (*Pyrus bretschneideri*) fruit
Cheng, X., Li, M., Li, D., Zhang, J., Jin, Q., Sheng, L., Cai, Y. and Lin, Y.
bio052985