



Cover: In a study by Baral and colleagues wild-type (w^{1118}) larval brains at 3 days old were EdU pulse labelled (Click-IT Alexa Fluor 594) for 30 min to visualize all S-phase cells: neuroblasts (NB) and ganglionic mother cells (GMCs). This merged confocal image shows EdU-labelled cells (magenta; mushroom body NBs and their GMCs) nestled within the GFP-labelled mushroom body NBs lineage (green) near the posterior regions of the central brain lobe. Scale bar: 50 microns. Image licensed under a Creative Commons Attribution 4.0 International license.

RESEARCH ARTICLES

Methylated *Vnn1* at promoter regions induces asthma occurrence via the PI3K/Akt/NF κ B-mediated inflammation in IUGR mice
Xing, Y., Wei, H., Xiao, X., Chen, Z., Liu, H., Tong, X. and Zhou, W.
bio049106

Evolutionary insights in Amazonian turtles (Testudines, Podocnemididae): co-location of 5S rDNA and U2 snRNA and wide distribution of Tc1/Mariner
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bio049817

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Noree, C. and Sirinonthanawech, N.
bio051110

Nucleolar stress in *Drosophila* neuroblasts, a model for human ribosomopathies
Baral, S. S., Lieux, M. E. and DiMario, P. J.
bio046565

Abnormal expression of GABA_A receptor subunits and hypomotility upon loss of *gabra1* in zebrafish
Reyes-Nava, N. G., Yu, H.-C., Coughlin, C. R., II, Shaikh, T. H. and Quintana, A. M.
bio051367

Loss of cerebellar function selectively affects intrinsic rhythmicity of eupneic breathing
Liu, Y., Qi, S., Thomas, F., Correia, B. L., Taylor, A. P., Sillitoe, R. V. and Heck, D. H.
bio048785

Starvation causes female-to-male sex reversal through lipid metabolism in the teleost fish, medaka (*Oryzias latipes*)
Sakae, Y., Oikawa, A., Sugiura, Y., Mita, M., Nakamura, S., Nishimura, T., Suematsu, M. and Tanaka, M.
bio050054

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Kim, S. and Darcy, I. K.
bio048603

FIRST PERSON

First person – Sonu S. Baral
bio052167