



Cover: Wing imaginal disc dissected from a *dpp>HA-hipk^{1M}+HA-hipk^{3M}+GFP* larva and stained to reveal GFP+ Hipk-expressing cells and F-actin (magenta). Distortion and hyperproliferation of the disc, and migration of Hipk-expressing cells away from the anterior-posterior boundary, are observed. See article by Blaquiére et al. (dmm031146). Cover image by Kenneth Wong is licensed under a Creative Commons Attribution 4.0 International license.

REVIEWS

The central role of DNA damage and repair in CAG repeat diseases
Massey, T. H. and Jones, L.
dmm031930

Genetically engineered pigs as models for human disease
Perleberg, C., Kind, A. and Schnieke, A.
dmm030783

RESEARCH ARTICLES

Pathophysiological and behavioral deficits in developing mice following rotational acceleration-deceleration traumatic brain injury
Wang, G., Zhang, Y. P., Gao, Z., Shields, L. B. E., Li, F., Chu, T., Lv, H., Moriarty, T., Xu, X.-M., Yang, X., Shields, C. B. and Cai, J.
dmm030387

Curcumin and derivatives function through protein phosphatase 2A and presenilin orthologues in *Dictyostelium discoideum*
Cocorocchio, M., Baldwin, A. J., Stewart, B., Kim, L., Harwood, A. J., Thompson, C. R. L., Andrews, P. L. R. and Williams, R. S. B.
dmm032375

Expanding primary cells from mucoepidermoid and other salivary gland neoplasms for genetic and chemosensitivity testing
Alamri, A. M., Liu, X., Blancato, J. K., Haddad, B. R., Wang, W., Zhong, X., Choudhary, S., Krawczyk, E., Kallakury, B. V., Davidson, B. J. and Furth, P. A.
dmm031716

Priming of innate antimycobacterial immunity by heat-killed *Listeria monocytogenes* induces sterilizing response in the adult zebrafish tuberculosis model
Luukinen, H., Hammarén, M. M., Vanha-aho, L.-M., Svorjova, A., Kantanen, L., Järvinen, S., Luukinen, B. V., Dufour, E., Rämetsä, M., Hytönen, V. P. and Parikka, M.
dmm031658

Manipulation of dipeptidylpeptidase 10 in mouse and human *in vivo* and *in vitro* models indicates a protective role in asthma
Zhang, Y., Poobalasingam, T., Yates, L. L., Walker, S. A., Taylor, M. S., Chessum, L., Harrison, J., Tsaprouni, L., Adcock, I. M., Lloyd, C. M., Cookson, W. O., Moffatt, M. F. and Dean, C. H.
dmm031369

Temporal analysis of hippocampal CA3 gene coexpression networks in a rat model of febrile seizures
Azevedo, H., Amato Khaled, N., Santos, P., Bernardi Bertonha, F. and Moreira-Filho, C. A.
dmm029074

Nephron progenitor cell death elicits a limited compensatory response associated with interstitial expansion in the neonatal kidney
Muthukrishnan, S. D., Ryzhov, S., Karolak, M. and Oxburgh, L.
dmm030544

Generation and characterisation of two D2A1 mammary cancer sublines to model spontaneous and experimental metastasis in a syngeneic BALB/c host
Jungwirth, U., van Weverwijk, A., Melake, M. J., Chambers, A. F., Gao, Q., Fivaz, M. and Isacke, C. M.
dmm031740

Homeodomain-interacting protein kinase promotes tumorigenesis and metastatic cell behavior
Blaquiére, J. A., Wong, K. K. L., Kinsey, S. D., Wu, J. and Verheyen, E. M.
dmm031146

The *Drosophila junctophilin* gene is functionally equivalent to its four mammalian counterparts and is a modifier of a Huntingtin poly-Q expansion and the Notch pathway
Calpena, E., López del Amo, V., Chakraborty, M., Llamusi, B., Artero, R., Espinós, C. and Galindo, M. I.
dmm029082

Suppressor of cytokine signaling 2 (*Socs2*) deletion protects bone health of mice with DSS-induced inflammatory bowel disease
Dobie, R., MacRae, V. E., Pass, C., Milne, E. M., Ahmed, S. F. and Farquharson, C.
dmm028456

RESOURCE ARTICLES

The *Sox2* promoter-driven CD63-GFP transgenic rat model allows tracking of neural stem cell-derived extracellular vesicles
Yoshimura, A., Adachi, N., Matsuno, H., Kawamata, M., Yoshioka, Y., Kikuchi, H., Odaka, H., Numakawa, T., Kunugi, H., Ochiya, T. and Tamai, Y.
dmm028779

Growth of human breast cancers in *Peromyscus*
Kaza, V., Farmaki, E., Havighorst, A., Crossland, J., Chatzistamou, I. and Kiaris, H.
dmm031302

CORRECTIONS

Correction: An alternative surgical approach reduces variability following filament induction of experimental stroke in mice (doi: 10.1242/dmm.029108)
Trotman-Lucas, M., Kelly, M. E., Janus, J., Fern, R. and Gibson, C. L.
dmm033407

Correction: Early cerebellar deficits in mitochondrial biogenesis and respiratory chain complexes in the KIKO mouse model of Friedreich ataxia (doi: 10.1242/dmm.030502)
Lin, H., Magrane, J., Rattelle, A., Stepanova, A., Galkin, A., Clark, E. M., Dong, Y. N., Halawani, S. M. and Lynch, D. R.
dmm033415