



Cover: Actin and myosin networks, respectively, in magenta and green, of a cardiomyocyte of a *Drosophila* fly with heart-specific depletion of the frataxin mitochondrial protein. See article by Palandri et al. (dmm033811). Cover image is licensed under a Creative Commons Attribution 4.0 International license.

REVIEWS

Plasticity of differentiated cells in wound repair and tumorigenesis, part I: stomach and pancreas

Burclaff, J. and Mills, J. C.

dmm033373

Probiotics against airway allergy: host factors to consider
Spacova, I., Ceuppens, J. L., Seys, S. F., Petrova, M. I. and Lebeer, S.

dmm034314

RESEARCH ARTICLES

Orthotopic and heterotopic murine models of pancreatic cancer and their different responses to FOLFIRINOX chemotherapy

Erstad, D. J., Sojoodi, M., Taylor, M. S., Ghoshal, S., Razavi, A. A., Graham-O'Regan, K. A., Bardeesy, N., Ferrone, C. R., Lanuti, M., Caravan, P., Tanabe, K. K. and Fuchs, B. C.

dmm034793

Retina-specific loss of *Ikkap/Elp1* causes mitochondrial dysfunction that leads to selective retinal ganglion cell degeneration in a mouse model of familial dysautonomia

Ueki, Y., Shchepetkina, V. and Lefcort, F.

dmm033746

Octopamine signaling in the metazoan pathogen *Schistosoma mansoni*: localization, small-molecule screening and opportunities for drug development

El-Sakkary, N., Chen, S., Arkin, M. R., Caffrey, C. R. and Ribeiro, P.

dmm033563

HIF-1 α activation in myeloid cells accelerates dextran sodium sulfate-induced colitis progression in mice

Kim, Y.-E., Lee, M., Gu, H., Kim, J., Jeong, S., Yeo, S., Lee, Y. J., Im, S.-H., Sung, Y.-C., Kim, H. J., Weissman, I. L. and Ahn, G.-O.

dmm033241

Identification of cardioprotective drugs by medium-scale *in vivo* pharmacological screening on a *Drosophila* cardiac model of Friedreich's ataxia

Palandri, A., Martin, E., Russi, M., Rera, M., Tricoire, H. and Monnier, V.

dmm033811

Dissecting recipient from donor contribution in experimental kidney transplantation: focus on endothelial proliferation and inflammation

Papazova, D. A., Krebber, M. M., Oosterhuis, N. R., Gremmels, H., van Zuilen, A. D., Joles, J. A. and Verhaar, M. C.

dmm035030

ZMPSTE24 missense mutations that cause progeroid diseases decrease prelamin A cleavage activity and/or protein stability

Spear, E. D., Hsu, E.-T., Nie, L., Carpenter, E. P., Hrycyna, C. A. and Michaelis, S.

dmm033670

Cerebellar synapse properties and cerebellum-dependent motor and non-motor performance in *Dp71*-null mice

Helleringer, R., Le Verger, D., Li, X., Izabelle, C., Chaussonot, R., Belmaati-Cherkaoui, M., Dammak, R., Decottignies, P., Daniel, H., Galante, M. and Vaillend, C.

dmm033258

Transcriptional upregulation of *Bag3*, a chaperone-assisted selective autophagy factor, in animal models of KY-deficient hereditary myopathy

Jokl, E. J., Hughes, G. L., Cracknell, T., Pownall, M. E. and Blanco, G.

dmm033225

Fetal articular cartilage regeneration versus adult fibrocartilaginous repair: secretome proteomics unravels molecular mechanisms in an ovine model

Ribitsch, I., Mayer, R. L., Egerbacher, M., Gabner, S., Kańduła, M. M., Rosser, J., Haltmayer, E., Auer, U., Gültekin, S., Huber, J., Bileck, A., Kreil, D. P., Gerner, C. and Jenner, F.

dmm033092

Identification of brain metastasis genes and therapeutic evaluation of histone deacetylase inhibitors in a clinically relevant model of breast cancer brain metastasis

Kim, S.-H., Redvers, R. P., Chi, L. H., Ling, X., Lucke, A. J., Reid, R. C., Fairlie, D. P., Martin, A. C. B. M., Anderson, R. L., Denoyer, D. and Pouliot, N.

dmm034850

Use of sodium 4-phenylbutyrate to define therapeutic parameters for reducing intracerebral hemorrhage and myopathy in *Col4a1* mutant mice

Hayashi, G., Labelle-Dumais, C. and Gould, D. B.

dmm034157

RESOURCE ARTICLE

Recapitulating muscle disease phenotypes with myotonic dystrophy 1 induced pluripotent stem cells: a tool for disease modeling and drug discovery

Mondragon-Gonzalez, R. and Perlingeiro, R. C. R.

dmm034728