



Cover: During the development of type I diabetes, the immune cells infiltrate the insulin-producing beta cells. Image shows a high-resolution light-sheet image of beta cells (gray) that are being attacked by immune cells (CD45⁺). See article by Roostalu et al. (dmm045351). Cover image is licensed under a Creative Commons Attribution 4.0 International license.

EDITORIAL

Disease Models & Mechanisms announces a new Editor-in-Chief
Vyas, P. (Director of The Company of Biologists, lead DMM Advisory Group)*
dmm048652

REVIEWS

Of numbers and movement – understanding transcription factor pathogenesis by advanced microscopy
Auer, J. M. T., Stoddart, J. J., Christodoulou, I., Lima, A., Skouloudaki, K., Hall, H. N., Vukojević, V. and Papadopoulos, D. K.
dmm046516

Pulmonary neuroendocrine cells: physiology, tissue homeostasis and disease
Noguchi, M., Furukawa, K. T. and Morimoto, M.
dmm046920

RESEARCH ARTICLES

Impaired muscle morphology in a *Drosophila* model of myosin storage myopathy was suppressed by overexpression of an E3 ubiquitin ligase
Dahl-Halvarsson, M., Olive, M., Pokrzywa, M., Norum, M., Ejeskär, K. and Tajsharghi, H.
dmm047886

Alcoholic hepatitis and metabolic disturbance in female mice: a more tractable model than *Nrf2*^{-/-} animals
Sheriff, L., Khan, R. S., Saborano, R., Wilkin, R., Luu, N.-T., Gunther, U. L., Hubscher, S. G., Newsome, P. N. and Lalor, P. F.
dmm046383

Predicting experimental success: a retrospective case-control study using the rat intraluminal thread model of stroke
Liebenstund, L., Coburn, M., Fitzner, C., Willuweit, A., Langen, K.-J., Liu, J., Veldeman, M. and Höllig, A.
dmm044651

Deletion of *Yy1* in mouse lung epithelium unveils molecular mechanisms governing pleuropulmonary blastoma pathogenesis
Landry-Truchon, K., Houde, N., Lhuillier, M., Charron, L., Hadchouel, A., Delacourt, C., Foulkes, W. D., Galmiche-Rolland, L. and Jeannotte, L.
dmm045989

Modulating the endoplasmic reticulum stress response attenuates neurodegeneration in a *Caenorhabditis elegans* model of spinal muscular atrophy
Doyle, J. J., Vrancx, C., Maios, C., Labarre, A., Patten, S. A. and Parker, J. A.
dmm041350

3D quantification of changes in pancreatic islets in mouse models of diabetes type I and II
Roostalu, U., Lercke Skytte, J., Gravesen Salinas, C., Klein, T., Vrang, N., Jelsing, J. and Hecksher-Sørensen, J.
dmm045351

Identification of *MYOM2* as a candidate gene in hypertrophic cardiomyopathy and Tetralogy of Fallot, and its functional evaluation in the *Drosophila* heart
Auxerre-Plantié, E., Nielsen, T., Grunert, M., Olejniczak, O., Perrot, A., Özcelik, C., Harries, D., Matinmehr, F., Dos Remedios, C., Mühlfeld, C., Kraft, T., Bodmer, R., Vogler, G. and Sperling, S. R.
dmm045377

Myh6-driven Cre recombinase activates the DNA damage response and the cell cycle in the myocardium in the absence of loxP sites
Wang, X., Lauth, A., Wan, T. C., Lough, J. W. and Auchampach, J. A.
dmm046375

FIRST PERSON

First person – Lozan Sheriff and Reenam Kahn
dmm048009

First person – Kim Landry-Truchon and Nicolas Houde
dmm048199

First person – Xinrui Wang
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First person – Emilie Auxerre-Plantié and Tanja Nielsen
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