



**Cover:** *Drosophila* adult gut displaying Yki-driven intestinal stem cell tumor (marked with GFP, green; TO-PRO-3 marks all nuclei). Gut from a 10-day-old untreated fly is shown. See article by Bajpai et al. (dmm044420). Cover image is licensed under a Creative Commons Attribution 4.0 International license.

## FIRST PERSON

First person – Laura Tamberg  
dmm046532

First person – Jenny Vermeer and Jonathan Ient  
dmm046292

First person – Anjali Bajpai  
dmm046136

First person – Lisa Elmén  
dmm046045

First person – Nagisa Yoshida  
dmm045922

First person – Craig Keenan  
dmm046193

## REVIEWS

Temporal patterning in neural progenitors: from *Drosophila* development to childhood cancers  
**Maurange, C.**  
dmm044883

Neuromuscular disease modeling on a chip  
**Santoso, J. W. and McCain, M. L.**  
dmm044867

## RESEARCH ARTICLES

Early evidence of delayed oligodendrocyte maturation in the mouse model of mucopolysaccharidosis type IV  
**Mepyans, M., Andrzejczuk, L., Sosa, J., Smith, S., Herron, S., DeRosa, S., Slangenaupt, S. A., Misko, A., Grishchuk, Y. and Kiselyov, K.**  
dmm044230

A lineage-tracing tool to map the fate of hypoxic tumour cells  
**Vermeer, J. A. F., Ient, J., Markelc, B., Kaeppler, J., Barbeau, L. M. O., Groot, A. J., Muschel, R. J. and Vooijs, M. A.**  
dmm044768

Ciliogenesis and Hedgehog signalling are suppressed downstream of KRAS during acinar-ductal metaplasia in mouse  
**Bangs, F. K., Miller, P. and O'Neill, E.**  
dmm044289

Daughterless, the *Drosophila* orthologue of TCF4, is required for associative learning and maintenance of the synaptic proteome  
**Tamberg, L., Jaago, M., Säälk, K., Sirp, A., Tuvikene, J., Shubina, A., Kiir, C. S., Nurm, K., Sepp, M., Timmusk, T. and Palgi, M.**  
dmm042747

Mitochondrial damage and senescence phenotype of cells derived from a novel frataxin G127V point mutation mouse model of Friedreich's ataxia  
**Fil, D., Chacko, B. K., Conley, R., Ouyang, X., Zhang, J., Darley-Usmar, V. M., Zuberi, A. R., Lutz, C. M., Napierala, M. and Napierala, J. S.**  
dmm045229

A *Drosophila* model of oral peptide therapeutics for adult intestinal stem cell tumors  
**Bajpai, A., Quazi, T. A., Tang, H.-W., Manzar, N., Singh, V., Thakur, A., Ateeq, B., Perrimon, N. and Sinha, P.**  
dmm044420

Silencing of CCR4-NOT complex subunits affects heart structure and function  
**Elmén, L., Volpato, C. B., Kervadec, A., Pineda, S., Kalvakuri, S., Alayari, N. N., Foco, L., Pramstaller, P. P., Ocorr, K., Rossini, A., Cammarato, A., Colas, A. R., Hicks, A. A. and Bodmer, R.**  
dmm044727

The zebrafish as a novel model for the *in vivo* study of *Toxoplasma gondii* replication and interaction with macrophages  
**Yoshida, N., Domart, M.-C., Peddie, C. J., Yakimovich, A., Mazon-Moya, M. J., Hawkins, T. A., Collinson, L., Mercer, J., Frickel, E.-M. and Mostowy, S.**  
dmm043091

Post-traumatic osteoarthritis development is not modified by postnatal chondrocyte deletion of *Ccn2*  
**Keenan, C. M., Ramos-Mucci, L., Kanakis, I., Milner, P. I., Leask, A., Abraham, D., Bou-Gharios, G. and Poulet, B.**  
dmm044719

## RESOURCE ARTICLES

Rabbit model of *Staphylococcus aureus* implant-associated spinal infection  
**Gordon, O., Miller, R. J., Thompson, J. M., Ordonez, A. A., Klunk, M. H., Dikeman, D. A., Joyce, D. P., Ruiz-Bedoya, C. A., Miller, L. S. and Jain, S. K.**  
dmm045385

A mouse SWATH-mass spectrometry reference spectral library enables deconvolution of species-specific proteomic alterations in human tumour xenografts  
**Krasny, L., Bland, P., Burns, J., Lima, N. C., Harrison, P. T., Pacini, L., Elms, M. L., Ning, J., Martinez, V. G., Yu, Y.-R., Acton, S. E., Ho, P.-C., Calvo, F., Swain, A., Howard, B. A., Natrajan, R. C. and Huang, P. H.**  
dmm044586

Sentinel interaction mapping – a generic approach for the functional analysis of human disease gene variants using yeast  
**Young, B. P., Post, K. L., Chao, J. T., Meili, F., Haas, K. and Loewen, C.**  
dmm044560