



**Cover:** Wild-type *Drosophila* eye imaginal epithelia showing *Stat-GFP* (red) and Actin (green) expression. See article by Harsh et al. (dmm040816). The authors observe that *Drosophila* eye imaginal discs carrying overexpression of Zika virus NS4A are smaller in size and show reduced expression of *Stat-GFP*, the *in vivo* reporter of JAK/STAT signaling, compared to wild type, while the overall architecture of the tissue (as shown by Actin) is unaffected. *Stat-GFP* expression in the antenna part of the eye tissue remains unaffected for wild-type *Drosophila* and those carrying Zika virus NS4A overexpression. Cover image is licensed under a Creative Commons Attribution 4.0 International license.

## EDITORIAL

Casting a wide net: use of diverse model organisms to advance toxicology  
**Hahn, M. E. and Sadler, K. C.**  
dmm043844

## FIRST PERSON

First person – Sofia de Oliveira  
dmm045401

First person – Sneha Harsh  
dmm044826

First person – Mami Uemura and Mayumi Higashi  
dmm044321

## AT A GLANCE

Membrane trafficking in health and disease  
**Yarwood, R., Hellicar, J., Woodman, P. G. and Lowe, M.**  
dmm043448

## REVIEW

Zebrafish as a tool to study schizophrenia-associated copy number variants  
**Campbell, P. D. and Granato, M.**  
dmm043877

## RESEARCH ARTICLES

Zika virus non-structural protein NS4A restricts eye growth in *Drosophila* through regulation of JAK/STAT signaling  
**Harsh, S., Fu, Y., Kenney, E., Han, Z. and Eleftherianos, I.**  
dmm040816

DnaJ-PKAc fusion induces liver inflammation in a zebrafish model of fibrolamellar carcinoma  
**de Oliveira, S., Houseright, R. A., Korte, B. G. and Huttenlocher, A.**  
dmm042564

Leptin and fractalkine: novel subcutaneous cytokines in burn injury  
**Friston, D., Junttila, S., Lemes, J. B. P., Laycock, H., Torres-Perez, J. V., Want, E., Gyenesei, A. and Nagy, I.**  
dmm042713

Novel defatting strategies reduce lipid accumulation in primary human culture models of liver steatosis  
**Aoudjehane, L., Gautheron, J., Le Goff, W., Goumard, C., Gilaizeau, J., Sonavine Nget, C., Savier, E., Atif, M., Lesnik, P., Morichon, R., Chrétien, Y., Calmus, Y., Scatton, O., Housset, C. and Conti, F.**  
dmm042663

Familial hypercholesterolemia class II low-density lipoprotein receptor response to statin treatment  
**Omer, L., Hindi, L., Militello, G., Stivers, K. B., Tien, K. C. and Boyd, N. L.**  
dmm042911

Gallbladder wall abnormality in biliary atresia of mouse *Sox17*<sup>+/-</sup> neonates and human infants  
**Uemura, M., Higashi, M., Pattarapanawan, M., Takami, S., Ichikawa, N., Higashiyama, H., Furukawa, T., Fujishiro, J., Fukumura, Y., Yao, T., Tajiri, T., Kanai-Azuma, M. and Kanai, Y.**  
dmm042119