



**Cover:** Confocal microscopy image of a glomerulus 8 h after intravenous administration of doxorubicin, showing binding of plasminogen (red) to the glomerular endothelium (blue) but not the podocytes (green; DAPI, white). This binding is a prerequisite for the induction of doxorubicin-induced nephropathy in 129S1/SvImJ mice, representing a model for the investigation of nephrotic syndrome and chronic kidney disease. See also the article by Bohnert et al. (dmm049038), which describes a single-nucleotide polymorphism (SNP) in the *Prkdc* gene, and plasminogen binding to glomeruli as prerequisites to induce nephropathy in this model. See article by Bohnert et al. (dmm049038). Cover image is licensed under a Creative Commons Attribution 4.0 International license.

## EDITORIAL

Developmental disorders Journal Meeting: a collaboration between Development and Disease Models & Mechanisms  
**Hooper, K. M., Justice, M. J. and Patton, E. E.**  
dmm049268

## A MODEL FOR LIFE

Doing better and being better in breast cancer care: an interview with Funmi Olopade  
**Olopade, O. I.**  
dmm049198

## AT A GLANCE

The developmental origins of Notch-driven intrahepatic bile duct disorders  
**Martinez Lyons, A. and Boulter, L.**  
dmm048413

## REVIEW

Engineering chromosome rearrangements in cancer  
**Alonso, S. and Dow, L. E.**  
dmm049078

## RESEARCH ARTICLES

Transforming growth factor  $\beta 3$  deficiency promotes defective lipid metabolism and fibrosis in murine kidney  
**Escasany, E., Lanzón, B., García-Carrasco, A., Izquierdo-Lahuerta, A., Torres, L., Corrales, P., Rodríguez Rodríguez, A. E., Luis-Lima, S., Martínez Álvarez, C., Javier Ruperez, F., Ros, M., Porrini, E., Rydén, M. and Medina-Gómez, G.**  
dmm048249

A mouse model of brittle cornea syndrome caused by mutation in *Zfp469*  
**Stanton, C. M., Findlay, A. S., Drake, C., Mustafa, M. Z., Gautier, P., McKie, L., Jackson, I. J. and Vitart, V.**  
dmm049175

Emotional behavior and brain anatomy of the *mdx52* mouse model of Duchenne muscular dystrophy  
**Saudi, A., Zarrouki, F., Sebríe, C., Izabelle, C., Goyenvallé, A. and Vaillend, C.**  
dmm049028

dCubilin- or dAMN-mediated protein reabsorption in *Drosophila* nephrocytes modulates longevity  
**Feng, X., Hong, X., Fan, Q., Chen, L., Li, J., Deng, J., Gong, S., Hou, F. F. and Zhang, F.**  
dmm047464

Impaired aerobic capacity and premature fatigue preceding muscle weakness in the skeletal muscle *Tfam*-knockout mouse model  
**Chatel, B., Ducreux, S., Harhous, Z., Bendridi, N., Varlet, I., Ogier, A. C., Bernard, M., Gondin, J., Rieusset, J., Westerblad, H., Bendahan, D. and Gineste, C.**  
dmm048981

Essential role of DNA-PKcs and plasminogen for the development of doxorubicin-induced glomerular injury in mice  
**Bohnert, B. N., Gonzalez-Menendez, I., Dörffel, T., Schneider, J. C., Xiao, M., Janessa, A., Kalo, M. Z., Fehrenbacher, B., Schaller, M., Casadei, N., Amann, K., Daniel, C., Birkenfeld, A. L., Grahammer, F., Izem, L., Plow, E. F., Quintanilla-Martinez, L. and Artunc, F.**  
dmm049038

Mycobacteriophage–antibiotic therapy promotes enhanced clearance of drug-resistant *Mycobacterium abscessus*  
**Johansen, M. D., Alcaraz, M., Dedrick, R. M., Roquet-Banères, F., Hamela, C., Hatfull, G. F. and Kremer, L.**  
dmm049159

Activation of innate immunity during development induces unresolved dysbiotic inflammatory gut and shortens lifespan  
**Yamashita, K., Oi, A., Kosakamoto, H., Yamauchi, T., Kadoguchi, H., Kuraishi, T., Miura, M. and Obata, F.**  
dmm049103

## FIRST PERSON

First person – Elia Escasany  
dmm049224

First person – Chloe Stanton  
dmm049248

First person – Bernhard N. Bohnert  
dmm049262

First person – Matt Johansen  
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