



Cover: Zebrafish *chd7* del2 homozygous mutant (bottom) and wild-type fish (top) at 78 hours post-fertilization. Mutant fish have small eyes, an enlarged heart with edema and fail to inflate the swimbladder. The *chd7* mutant has a disrupted mRNA reading frame and is a disease model for CHARGE syndrome. See article by Prykhodzhiy et al. on page 811. Cover image by Sergey Prykhodzhiy is licensed under a Creative Commons Attribution 4.0 International licence.

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- 679** Hypothalamic circuits regulating appetite and energy homeostasis: pathways to obesity
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- 691** Induced pluripotent stem cell models of lysosomal storage disorders
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- 705** SlgA, encoded by the homolog of the human schizophrenia-associated gene *PRODH*, acts in clock neurons to regulate *Drosophila* aggression
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- 717** Dietary reversal of neuropathy in a murine model of prediabetes and metabolic syndrome
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- 727** Paneth-cell-disruption-induced necrotizing enterocolitis in mice requires live bacteria and occurs independently of TLR4 signaling
White, J. R., Gong, H., Pope, B., Schlievert, P. and McElroy, S. J.
- 737** Characterization of *Drosophila Saposin-related* mutants as a model for lysosomal sphingolipid storage diseases
Sellin, J., Schulze, H., Paradis, M., Gosejacob, D., Papan, C., Shevchenko, A., Psathaki, O. E., Paululat, A., Thielisch, M., Sandhoff, K. and Hoch, M.

- 751** Upregulation of distinct collagen transcripts in post-surgery scar tissue: a study of conjunctival fibrosis
Seet, L.-F., Toh, L. Z., Chu, S. W. L., Finger, S. N., Chua, J. L. L. and Wong, T. T.
- 761** A *Drosophila* model of dominant inclusion body myopathy type 3 shows diminished myosin kinetics that reduce muscle power and yield myofibrillar defects
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- 773** A mouse model for inherited renal fibrosis associated with endoplasmic reticulum stress
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- 787** Progesterone induces neuroprotection following reperfusion-promoted mitochondrial dysfunction after focal cerebral ischemia in rats
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- 811** A rapid and effective method for screening, sequencing and reporter verification of engineered frameshift mutations in zebrafish
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