



Cover: Confocal micrograph of a wing imaginal disc expressing combinations of Yki and a UAS-RNAi transgene targeting Brahma under *apGal4* control. Depletion of Brahma-associated protein complex subunits enhances Yki-induced tissue hyperplasia, leading to the formation of tumorous wing imaginal discs. GFP marks the transgene-expressing tissue (green). Nuclei were labeled with DAPI (red). See article by Song et al. on page 1201. Cover image by Shilin Song is licensed under a Creative Commons Attribution 4.0 International licence.

REVIEWS

- 1165** Rodent models in Down syndrome research: impact and future opportunities
Herault, Y., Delabar, J. M., Fisher, E. M. C., Tybulewicz, V. L. J., Yu, E. and Brault, V.
- 1187** Central and peripheral circadian clocks and their role in Alzheimer's disease
Chauhan, R., Chen, K.-F., Kent, B. A. and Crowther, D. C.
- RESEARCH ARTICLES**
- 1201** The chromatin remodeling BAP complex limits tumor-promoting activity of the Hippo pathway effector Yki to prevent neoplastic transformation in *Drosophila* epithelia
Song, S., Herranz, H. and Cohen, S. M.
- 1211** p53-independent DUX4 pathology in cell and animal models of facioscapulohumeral muscular dystrophy
Bosnakovski, D., Gearhart, M. D., Toso, E. A., Recht, O. O., Cucak, A., Jain, A. K., Barton, M. C. and Kyba, M.
- 1217** Activation of the *Nkx2.5–Calr–p53* signaling pathway by hyperglycemia induces cardiac remodeling and dysfunction in adult zebrafish
Sun, Y., Wang, Q., Fang, Y., Wu, C., Lu, G. and Chen, Z.
- 1229** Adipose tissue and metabolic and inflammatory responses to stroke are altered in obese mice
Haley, M. J., Mullard, G., Hollywood, K. A., Cooper, G. J., Dunn, W. B. and Lawrence, C. B.
- 1245** Increased acetylation of microtubules rescues human tau-induced microtubule defects and neuromuscular junction abnormalities in *Drosophila*
Mao, C.-X., Wen, X., Jin, S. and Zhang, Y. Q.
- 1253** MMP-14 overexpression correlates with the neurodegenerative process in familial amyloidotic polyneuropathy
Martins, D., Moreira, J., Gonçalves, N. P. and Saraiva, M. J.
- 1261** The Parkinson's disease-associated protein DJ-1 plays a positive nonmitochondrial role in endocytosis in *Dictyostelium* cells
Chen, S., Annesley, S. J., Jasim, R. A. F., Musco, V. J., Sanislav, O. and Fisher, P. R.