



**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.**