



Cover: *Drosophila melanogaster* (3rd instar) eye imaginal disc. Mutation of signal transducing adaptor molecule (*stam*) induces cell death in synergy with mutation of the retinoblastoma tumor suppressor-family protein (*rbf*), promoting the elimination of double-mutant clones in adult *Drosophila* eye. *rbf* and *stam* double-mutant cells show a lack of GFP labelling, and cells that are undergoing apoptosis are shown in red (antibody against cleaved caspase 3). See article by Z. Sheng et al. (pp. 2075–2084).

COMMENTARIES

- 1951** Nuclear migration events throughout development
Bone, C. R. and Starr, D. A.
- 1963** Expanding functions of GIT Arf GTPase-activating proteins, PIX Rho guanine nucleotide exchange factors and GIT–PIX complexes
Zhou, W., Li, X. and Premont, R. T.

SHORT REPORTS

- 1975** A mutation abolishing the ZMPSTE24 cleavage site in prelamin A causes a progeroid disorder
Wang, Y., Lichter-Konecki, U., Anyane-Yeboah, K., Shaw, J. E., Lu, J. T., Östlund, C., Shin, J.-Y., Clark, L. N., Gundersen, G. G., Nagy, P. L. and Worman, H. J.
- 1981** Nuclear transport of paxillin depends on focal adhesion dynamics and FAT domains
Sathe, A. R., Shivashankar, G. V. and Sheetz, M. P.

RESEARCH ARTICLES

- 1989** Mechanical signals regulate and activate SNAIL1 protein to control the fibrogenic response of cancer-associated fibroblasts
Zhang, K., Grither, W. R., Van Hove, S., Biswas, H., Ponik, S. M., Eliceiri, K. W., Keely, P. J. and Longmore, G. D.
- 2003** FRMD4A–cytohesin signaling modulates the cellular release of tau
Yan, X., Nykänen, N.-P., Brunello, C. A., Haapasalo, A., Hiltunen, M., Uronen, R.-L. and Huttunen, H. J.
- 2016** Reciprocal regulation of actin cytoskeleton remodelling and cell migration by Ca²⁺ and Zn²⁺: role of TRPM2 channels
Li, F., Abuarab, N. and Sivaprasadarao, A.
- 2030** Vimentin filaments regulate integrin–ligand interactions by binding to the cytoplasmic tail of integrin β 3
Kim, J., Yang, C., Kim, E. J., Jang, J., Kim, S.-J., Kang, S. M., Kim, M. G., Jung, H., Park, D. and Kim, C.

- 2043** Microtubule bundling plays a role in ethylene-mediated cortical microtubule reorientation in etiolated *Arabidopsis* hypocotyls
Ma, Q., Sun, J. and Mao, T.
- 2052** Mapping growth-factor-modulated Akt signaling dynamics
Gross, S. M. and Rotwein, P.
- 2064** Two classes of short intraflagellar transport train with different 3D structures are present in *Chlamydomonas* flagella
Vannuccini, E., Paccagnini, E., Cantele, F., Gentile, M., Dini, D., Fino, F., Diener, D., Mencarelli, C. and Lupetti, P.
- 2075** ESCRT-0 complex modulates *Rbf*-mutant cell survival by regulating Rhomboid endosomal trafficking and EGFR signaling
Sheng, Z., Yu, L., Zhang, T., Pei, X., Li, X., Zhang, Z. and Du, W.
- 2085** Optogenetic activation reveals distinct roles of PIP₃ and Akt in adipocyte insulin action
Xu, Y., Nan, D., Fan, J., Bogan, J. S. and Toomre, D.
- 2096** Type II PI4-kinases control Weibel–Palade body biogenesis and von Willebrand factor structure in human endothelial cells
Lopes da Silva, M., O'Connor, M. N., Kriston-Vizi, J., White, I. J., Al-Shawi, R., Simons, J. P., Mössinger, J., Haucke, V. and Cutler, D. F.
- 2106** Together, the IFT81 and IFT74 N-termini form the main module for intraflagellar transport of tubulin
Kubo, T., Brown, J. M., Bellve, K., Craige, B., Craft, J. M., Fogarty, K., Lechtreck, K. F. and Witman, G. B.

CORRECTION

- 2120** Upon Wnt stimulation, Rac1 activation requires Rac1 and Vav2 binding to p120-catenin
Valls, G., Codina, M., Miller, R. K., Del Valle-Pérez, B., Vinyoles, M., Caelles, C., McCrea, P. D., de Herreros, A. G. and Duñach, M.