



Cover: Mitochondrially targeted GFP (mito-GFP, green) was used to visualise the mitochondrial dynamics in salivary gland cells dissected from a third instar *Drosophila* larva. Unlike the kidney-bean shape commonly seen in textbooks, mitochondria can be elongated and fused to form interconnected networks. DAPI was used to stain the polytene chromosomes (blue). See article by K. K. L. Wong et al. (jcs250944).

STICKY WICKETS

Corona XXV – six-word story

Mole

jcs256438

Corona XXVI – three laws

Mole

jcs256834

FIRST PERSON

First person – Ana Diaz Espinosa

jcs257402

First person – Kenneth Kin Lam Wong

jcs257261

First person – Xing Du

jcs257519

First person – Stephen Wellard

jcs257410

First person – Veena Mathew

jcs257253

First person – Chloe Snider

jcs257246

CELL SCIENTISTS TO WATCH

Cell Scientist to Watch – Eurico Morais-de-Sá

jcs256040

REVIEWS

Extracellular vesicles – propagators of neuropathology and sources of potential biomarkers and therapeutics for neurodegenerative diseases

Vassileff, N., Cheng, L. and Hill, A. F.

jcs243139

Forcing a growth factor response – tissue-stiffness modulation of integrin signaling and crosstalk with growth factor receptors

Sarker, F. A., Prior, V. G., Bax, S. and O'Neill, G. M.

jcs242461

Recent insights into the regulatory networks of NLRP3 inflammasome activation

Weber, A. N. R., Bittner, Z. A., Shankar, S., Liu, X., Chang, T.-H., Jin, T. and Tapia-Abellán, A.

jcs248344

SHORT REPORTS

Fission yeast Opy1 is an endogenous PI(4,5)P₂ sensor that binds to the phosphatidylinositol 4-phosphate 5-kinase Its3

Snider, C. E., Willet, A. H., Brown, H. T., Chen, J.-S., Evers, J. M. and Gould, K. L.

jcs247973

Cdc48 regulates intranuclear quality control sequestration of the Hsh155 splicing factor in budding yeast

Mathew, V., Kumar, A., Jiang, Y. K., West, K., Tam, A. S. and Stirling, P. C.

jcs252551

RESEARCH ARTICLES

Changes in subcellular structures and states of pumilio 1 regulate the translation of target *Mad2* and cyclin B1 mRNAs

Takei, N., Takada, Y., Kawamura, S., Sato, K., Saitoh, A., Bormann, J., Yuen, W. S., Carroll, J. and Kotani, T.

jcs249128

Blockage of bone morphogenetic protein signalling counteracts hypertrophy in a human osteoarthritic micro-cartilage model

Chawla, S., Berkelaar, M. H. M., Dasen, B., Halleux, C., Guth-Gundel, S., Kramer, I., Ghosh, S., Martin, I., Barbero, A. and Occhetta, P.

jcs249094

Dopamine D1 receptor stimulates cathepsin K-dependent degradation and resorption of collagen I in lung fibroblasts

Diaz Espinosa, A. M., Link, P. A., Sicard, D., Jorba, I., Tschumperlin, D. J. and Haak, A. J.

jcs248278

Ssc-miR-21-5p regulates endometrial epithelial cell proliferation, apoptosis and migration via the PDCD4/AKT pathway

Hua, R., Zhang, X., Li, W., Lian, W., Liu, Q., Gao, D., Wang, Y. and Lei, M.

jcs248898

Hyperpolarized mitochondria accumulate in *Drosophila* Hipk-overexpressing cells to drive tumor-like growth

Wong, K. K. L., Liao, J. Z., Shih, C. R. Y., Harden, N. and Verheyen, E. M.

jcs250944

SMARCA2 is regulated by *NORFA*-miR-29c, a novel pathway that controls granulosa cell apoptosis and is related to female fertility

Du, X., Liu, L., Wu, W., Li, P., Pan, Z., Zhang, L., Liu, J. and Li, Q.

jcs249961

RAS-mediated suppression of PAR3 and its effects on SCC initiation and tissue architecture occur independently of hyperplasia
Ling, J., Scaff, M., Tiwari, M., Chen, Y., Li, J., Jones, J. and Sen, G. L.
jcs249102

AGS3-dependent trans-Golgi network membrane trafficking is essential for compaction in mouse embryos
Nie, Z.-W., Niu, Y.-J., Zhou, W., Zhou, D.-J., Kim, J.-Y. and Cui, X.-S.
jcs243238

Aurora B and C kinases regulate chromosome desynapsis and segregation during mouse and human spermatogenesis
Wellard, S. R., Schindler, K. and Jordan, P. W.
jcs248831