



**Cover:** The image shows the single flagellum of a *Leishmania* parasite changing its beating behaviour. It is a composite made from successive frames of a high-magnification, high-frame-rate video lasting just a few seconds. Successive frames run in columns from top left to bottom right, showing the fluorescently labelled flagellum switching from one beat type to another. See article by Z. Wang et al. (jcs246637).

## EDITORIAL

Love your lipids!

**Way, M.**

jcs255414

## STICKY WICKETS

Corona XIX – no damn cat, no damn cradle

**Mole**

jcs253245

Corona XX – to the edge of the universe

**Mole**

jcs253989

## FIRST PERSON

First person – Matthew Wood

jcs255182

First person – Justin Jacob

jcs255190

First person – Andria A. Lytridou

jcs255208

First person – Shan Ying

jcs255174

First person – Federico Pecori

jcs255166

First person – Safia Omer

jcs254664

## CELL SCIENTISTS TO WATCH

Interview with 2020 Hooke medal winner Ian Chambers

jcs254219

## CELL SCIENCE AT A GLANCE

Blood platelet formation at a glance

**Boscher, J., Guinard, I., Eckly, A., Lanza, F. and Léon, C.**

jcs244731

## HYPOTHESIS

Biomechanical regulation of focal adhesion and invadopodia formation

**Revach, O.-Y., Grosheva, I. and Geiger, B.**

jcs244848

## REVIEWS

The multifaceted functions of ATG16L1 in autophagy and related processes

**Gammoh, N.**

jcs249227

The importance of water and hydraulic pressure in cell dynamics

**Li, Y., Konstantopoulos, K., Zhao, R., Mori, Y. and Sun, S. X.**

jcs240341

## SHORT REPORT

Keratin 17 regulates nuclear morphology and chromatin organization

**Jacob, J. T., Nair, R. R., Poll, B. G., Pineda, C. M., Hobbs, R. P., Matunis, M. J. and Coulombe, P. A.**

jcs254094

## RESEARCH ARTICLES

Molecular mapping of transmembrane mechanotransduction through the  $\beta 1$  integrin–CD98hc–TRPV4 axis

**Potla, R., Hirano-Kobayashi, M., Wu, H., Chen, H., Mammoto, A., Matthews, B. D. and Ingber, D. E.**

jcs248823

Nucleolar size regulates nuclear envelope shape in *Saccharomyces cerevisiae*

**Male, G., Deolal, P., Manda, N. K., Yagnik, S., Mazumder, A. and Mishra, K.**

jcs242172

TDP-43 dysfunction results in R-loop accumulation and DNA replication defects

**Wood, M., Quinet, A., Lin, Y.-L., Davis, A. A., Pasero, P., Ayala, Y. M. and Vindigni, A.**

jcs244129

UV damage induces G3BP1-dependent stress granule formation that is not driven by mTOR inhibition-mediated translation arrest

**Ying, S. and Khapsky, D. A.**

jcs248310

Stbd1 promotes glycogen clustering during endoplasmic reticulum stress and supports survival of mouse myoblasts

**Lytridou, A. A., Demetriadou, A., Christou, M., Potamiti, L., Mastroiannopoulos, N. P., Kyriacou, K., Phylactou, L. A., Drousiotou, A. and Petrou, P. P.**

jcs244855

Mitofusin 2 but not mitofusin 1 mediates Bcl-XL-induced mitochondrial aggregation

**Du, M., Yu, S., Su, W., Zhao, M., Yang, F., Liu, Y., Mai, Z., Wang, Y., Wang, X. and Chen, T.**

jcs245001

Smoothed receptor signaling regulates the developmental shift of GABA polarity in rat somatosensory cortex

**Delmotte, Q., Hamze, M., Medina, I., Buhler, E., Zhang, J., Belgacem, Y. H. and Porcher, C.**

jcs247700

Mucin-type O-glycosylation controls pluripotency in mouse embryonic stem cells via Wnt receptor endocytosis  
**Pecori, F., Akimoto, Y., Hanamatsu, H., Furukawa, J.-i., Shinohara, Y., Ikehara, Y. and Nishihara, S.**  
jcs245845

The cationic amino acid exporter Slc7a7 is induced and vital in zebrafish tissue macrophages with sustained efferocytic activity  
**Demy, D. L., Carrère, M., Noche, R., Tauzin, M., Le Bris, M., Baek, C., Leshchiner, I., Goessling, W. and Herbomel, P.**  
jcs249037

The single flagellum of *Leishmania* has a fixed polarisation of its asymmetric beat  
**Wang, Z., Beneke, T., Gluenz, E. and Wheeler, R. J.**  
jcs246637

Depression-like behaviors induced by defective PTPRT activity through dysregulated synaptic functions and neurogenesis  
**Lim, S.-H., Shin, S., Kim, M.-H., Kim, E. C., Lee, D. Y., Moon, J., Park, H.-Y., Ryu, Y.-K., Kang, Y.-M., Kang, Y. J., Kim, T. H., Lee, N.-Y., Kim, N.-S., Yu, D.-Y., Shim, I., Gondo, Y., Satake, M., Kim, E., Kim, K.-S., Min, S. S. and Lee, J.-R.**  
jcs243972

Overexpression of Mdm36 reveals Num1 foci that mediate dynein-dependent microtubule sliding in budding yeast  
**Omer, S., Brock, K., Beckford, J. and Lee, W.-L.**  
jcs246363

#### RETRACTION

Retraction: Arg tyrosine kinase modulates TGF- $\beta$ 1 production in human renal tubular cells under high-glucose conditions  
**Torsello, B., Bianchi, C., Meregalli, C., Stefano, V. D., Invernizzi, L., Marco, S. D., Bovo, G., Brivio, R., Strada, G., Bombelli, S. and Perego, R. A.**  
jcs254847