



Cover: High frame rate three-dimensional views of the unicellular human parasite *Trypanosoma brucei* while swimming. Each image shows the same cell at different 3D orientations (left to right) at different times (top to bottom), where colour represents different focal planes (red to blue). See article by B. J. Walker and R. J. Wheeler (jcs231795).

STICKY WICKET

Impact! I

Mole

jcs235598

FIRST PERSON

First person – Eric Clement Arakel

jcs237123

First person – Alex Generous

jcs237198

First person – Taylor Miller

jcs237115

First person – Robert Bloodgood and Roger Sloboda

jcs237461

First person – Rachel Caines

jcs237305

MEETING REPORT

Meeting report – Cell dynamics: organelle–cytoskeleton interface

Mogessie, B., Zenner, H. and Renkawitz, J.

jcs236679

CELL SCIENCE AT A GLANCE

Intramembrane proteolysis at a glance: from signalling to protein degradation

Kühnle, N., Dederer, V. and Lemberg, M. K.

jcs217745

HYPOTHESIS

Dynamic cell–cell adhesion mediated by pericellular matrix interaction – a hypothesis

Winklbauer, R.

jcs231597

REVIEW

Ubiquitin recognition in endocytic trafficking – with or without ESCRT-0

Mosesso, N., Nagel, M.-K. and Isono, E.

jcs232868

SHORT REPORT

High-speed multifocal plane fluorescence microscopy for three-dimensional visualisation of beating flagella

Walker, B. J. and Wheeler, R. J.

jcs231795

RESEARCH ARTICLES

Dissection of GTPase-activating proteins reveals functional asymmetry in the COPI coat of budding yeast

Arakel, E. C., Huranova, M., Estrada, A. F., Rau, E.-M., Spang, A. and Schwappach, B.

jcs232124

CXCL2 attenuates osteoblast differentiation by inhibiting the ERK1/2 signaling pathway

Yang, Y., Zhou, X., Li, Y., Chen, A., Liang, W., Liang, G., Huang, B., Li, Q. and Jin, D.

jcs230490

Serotonin receptor oligomerization regulates cAMP-based signaling

Prasad, S., Ponimaskin, E. and Zeug, A.

jcs230334

Trans-endocytosis elicited by nectins transfers cytoplasmic cargo, including infectious material, between cells

Generous, A. R., Harrison, O. J., Troyanovsky, R. B., Mateo, M., Navaratnarajah, C. K., Donohue, R. C., Pfaller, C. K., Alekhina, O., Sergeeva, A. P., Indra, I., Thornburg, T., Kochetkova, I., Billadeau, D. D., Taylor, M. P., Troyanovsky, S. M., Honig, B., Shapiro, L. and Cattaneo, R.

jcs235507

Depletion of phosphatidylinositol 4-phosphate at the Golgi translocates K-Ras to mitochondria

Miller, T. E., Henkels, K. M., Huddleston, M., Salisbury, R., Hussain, S. M., Sasaki, A. T. and Cho, K.-J.

jcs231886

Glucocorticoids delay RAF-induced senescence promoted by EGR1

Carvalho, C., L'Hôte, V., Courbeyrette, R., Kratassiouk, G., Pinna, G., Cintrat, J.-C., Denby-Wilkes, C., Derbois, C., Olasso, R., Deleuze, J.-F., Mann, C. and Thuret, J.-Y.

jcs230748

MKL1 overexpression predicts poor prognosis in patients with papillary thyroid cancer and promotes nodal metastasis

Cheng, X., Xu, S., Pan, J., Zheng, J., Wang, X., Yu, H., Bao, J., Xu, Y., Guan, H. and Zhang, L.

jcs231399

Myosin V regulates synaptopodin clustering and localization in the dendrites of hippocampal neurons

Konietzny, A., González-Gallego, J., Bär, J., Perez-Alvarez, A., Drakew, A., Demmers, J. A. A., Dekkers, D. H. W., Hammer, J. A. III, Frotscher, M., Oertner, T. G., Wagner, W., Kneussel, M. and Mikhaylova, M.

jcs230177

The *Chlamydomonas* flagellar membrane glycoprotein FMG-1B is necessary for expression of force at the flagellar surface

Bloodgood, R. A., Tetreault, J. and Sloboda, R. D.

jcs233429

PI3K β is selectively required for growth factor-stimulated macropinocytosis

Salloum, G., Jakubik, C. T., Erami, Z., Heitz, S. D., Bresnick, A. R. and Backer, J. M.

jcs231639

Synergistic repression of thyroid hyperplasia by cyclin C and Pten
Jezek, J., Wang, K., Yan, R., Di Cristofano, A., Cooper, K. F. and Strich, R.

jcs230029

The RNA-binding protein QKI controls alternative splicing in vascular cells, producing an effective model for therapy
Caines, R., Cochrane, A., Kelaini, S., Vila-Gonzalez, M., Yang, C., Eleftheriadou, M., Moez, A., Stitt, A. W., Zeng, L., Grieve, D. J. and Margariti, A.

jcs230276

PUBLISHER'S NOTE

Expression of Concern: Inhibition of TPO-induced MEK or mTOR activity induces opposite effects on the ploidy of human differentiating megakaryocytes (doi:10.1242/jcs.02784)

Guerriero, R., Parolini, I., Testa, U., Samoggia, P., Petrucci, E., Sargiacomo, M., Chelucci, C., Gabbianelli, M. and Peschle, C.

jcs237495