



**Cover:** Rabgap1 functions as an important factor for conformation-specific integrin trafficking. Silencing Rabgap1 in mouse fibroblasts leads to the intracellular accumulation of active  $\beta 1$  integrins, alters focal adhesion formation and decreases cell migration. This immunofluorescence image depicts a Rabgap1-depleted mouse fibroblast stained for F-actin (red) to visualise the actin cytoskeleton and paxillin (magenta) to label cell–matrix adhesions. The cell nucleus is stained with DAPI (blue). See article by A. V. Samarelli et al. (jcs243683).

## EDITORIAL

Author choices on Journal of Cell Science: how ‘open’ are we to Open Access?

**Moulton, O. C. and Ahmad, S.**

jcs254110

## STICKY WICKETS

Corona XV – there is no spoon

**Mole**

jcs251488

Corona XVI – horseshoes and hand grenades

**Mole**

jcs252007

## FIRST PERSON

First person – Shivali Rawat

jcs253922

First person – Julien Pernier

jcs253930

First person – Anthony Rossi

jcs253971

First person – Alessandra Gallo

jcs253955

First person – Jana Jentsch

jcs253948

First person – Raja Gopal Reddy Mooli

jcs253963

## REVIEWS

Functions of Wnt and Hedgehog-containing extracellular vesicles in development and disease

**Matusek, T., Marcetteau, J. and Théron, P. P.**

jcs209742

The ESCRTs – converging on mechanism

**Remec Pavlin, M. and Hurley, J. H.**

jcs240333

The basement membrane as a structured surface – role in vascular health and disease

**Leclech, C., Natale, C. F. and Barakat, A. I.**

jcs239889

New insights into non-transcriptional regulation of mammalian core clock proteins

**Crosby, P. and Partch, C. L.**

jcs241174

## SHORT REPORTS

Myosin 1b flattens and prunes branched actin filaments

**Pernier, J., Morchain, A., Caorsi, V., Bertin, A., Bousquet, H., Bassereau, P. and Coudrier, E.**

jcs247403

Phosphoregulation of the cytokinetic protein Fic1 contributes to fission yeast growth polarity establishment

**Bohnert, K. A., Rossi, A. M., Jin, Q.-W., Chen, J.-S. and Gould, K. L.**

jcs244392

## RESEARCH ARTICLES

Increased supraorganization of respiratory complexes is a dynamic multistep remodelling in response to proteostasis stress

**Rawat, S., Ghosh, S., Mondal, D., Anusha, V. and Raychaudhuri, S.**

jcs248492

Intraflagellar transport during assembly of flagella of different length in *Trypanosoma brucei* isolated from tsetse flies

**Bertiaux, E., Mallet, A., Rotureau, B. and Bastin, P.**

jcs248989

Rabgap1 promotes recycling of active  $\beta 1$  integrins to support effective cell migration

**Samarelli, A. V., Ziegler, T., Meves, A., Fässler, R. and Böttcher, R. T.**

jcs243683

Role of a versatile peptide motif controlling Hox nuclear export and autophagy in the *Drosophila* fat body

**Duffraisse, M., Paul, R., Carneseccchi, J., Hudry, B., Banreti, A., Reboulet, J., Ajuria, L., Lohmann, I. and Merabet, S.**

jcs241943

A discrete interface in matrix stiffness creates an oscillatory pattern of endothelial monolayer disruption

**VanderBurgh, J. A., Potharazu, A. V., Schwager, S. C. and Reinhart-King, C. A.**

jcs244533

Mitochondrial import, health and mtDNA copy number variability seen when using type II and type V CRISPR effectors

**Antón, Z., Mullally, G., Ford, H. C., van der Kamp, M. W., Szczelkun, M. D. and Lane, J. D.**

jcs248468

ACSL3 is a novel GABARAPL2 interactor that links ufmylation and lipid droplet biogenesis

**Eck, F., Phuyal, S., Smith, M. D., Kaulich, M., Wilkinson, S., Farhan, H. and Behrends, C.**

jcs243477

APC/C<sup>Cdh1</sup> is required for the termination of chromosomal passenger complex activity upon mitotic exit

**Tsunematsu, T., Arakaki, R., Kawai, H., Ruppert, J., Tsuneyama, K., Ishimaru, N., Earnshaw, W. C., Pagano, M. and Kudo, Y.**

jcs251314

Role of the Sec22b–E-Syt complex in neurite growth and ramification

**Gallo, A., Danglot, L., Giordano, F., Hewlett, B., Binz, T., Vannier, C. and Galli, T.**

jcs247148

Microtubule polyglutamylation is important for regulating cytoskeletal architecture and motility in *Trypanosoma brucei*

**Jentsch, J., Sabri, A., Speckner, K., Lallinger-Kube, G., Weiss, M. and Ersfeld, K.**

jcs248047

An indispensable role for dynamin-related protein 1 in beige and brown adipogenesis

**Mooli, R. G. R., Mukhi, D., Chen, Z., Buckner, N. and Ramakrishnan, S. K.**

jcs247593

#### TOOLS AND RESOURCES

Synchronization of human retinal pigment epithelial-1 cells in mitosis

**Scott, S. J., Suvarna, K. S. and D'Avino, P. P.**

jcs247940