



Cover: HeLa cells stably expressing the wild type of ubiquitin ligase RNF167-a (a negative regulator of lysosomal exocytosis) or its naturally occurring point mutant RNF167-a-K97N that had been identified in kidney tumour samples. After treatment with ionomycin, cells were surface-stained for LAMP1 (red) to measure the extent of lysosomal exocytosis, as the luminal epitope of LAMP1 is exposed to the plasma membrane only during lysosomal exocytosis. Unlike cells expressing the wild-type protein (left wing), those expressing RNF167-a-K97N (right wing) show enhanced lysosomal exocytosis and plasma membrane resealing. Nuclei were stained with DAPI (blue). See article by S.V. Nair et al. (jcs239335).

STICKY WICKETS

Corona V – not ready for normal

Mole

jcs248369

Corona VI – virtual reality

Mole

jcs248641

FIRST PERSON

First person – Stephen Kershaw and David Morgan

jcs248781

First person – Isabella Guardamagna

jcs249029

First person – Ana Loncar

jcs248070

First person – Kristina Drizyte-Miller

jcs247411

First person – Juan Martín D'Ambrosio

jcs248096

First person – Westley Heydeck

jcs249011

CELL SCIENCE AT A GLANCE

The cell biologist's guide to super-resolution microscopy

Jacquemet, G., Carisey, A. F., Hamidi, H., Henriques, R. and Leterrier, C.

jcs240713

REVIEWS

Nuclear myosins – roles for molecular transporters and anchors

Cook, A. W., Gough, R. E. and Toseland, C. P.

jcs242420

Frustrated clathrin-mediated endocytosis – causes and possible functions

Baschieri, F., Porshneva, K. and Montagnac, G.

jcs240861

RESEARCH ARTICLES

Glucocorticoids rapidly inhibit cell migration through a novel, non-transcriptional HDAC6 pathway

Kershaw, S., Morgan, D. J., Boyd, J., Spiller, D. G., Kitchen, G., Zindy, E., Iqbal, M., Rattray, M., Sanderson, C. M., Brass, A., Jorgensen, C., Hussell, T., Matthews, L. C. and Ray, D. W.

jcs242842

Naturally occurring and tumor-associated variants of RNF167 promote lysosomal exocytosis and plasma membrane resealing

Nair, S. V., Narendradev, N. D., Nambiar, R. P., Kumar, R. and Srinivasula, S. M.

jcs239335

Laminin-511 and $\alpha 6$ integrins regulate the expression of CXCR4 to promote endothelial morphogenesis

Xu, H., Pumiglia, K. and LaFlamme, S. E.

jcs246595

FAZ27 cooperates with FLAM3 and ClpGM6 to maintain cell morphology in *Trypanosoma brucei*

An, T., Zhou, Q., Hu, H., Cormaty, H. and Li, Z.

jcs245258

Cdc24 interacts with septins to create a positive feedback loop during bud site assembly in yeast

Chollet, J., Dünkler, A., Bäuerle, A., Vivero-Pol, L., Mulaw, M. A., Gronemeyer, T. and Johnsson, N.

jcs240283

BMP4 promotes the metastasis of gastric cancer by inducing epithelial–mesenchymal transition via ID1

Deng, G., Chen, Y., Guo, C., Yin, L., Han, Y., Li, Y., Fu, Y., Cai, C., Shen, H. and Zeng, S.

jcs237222

The small GTPase Rab32 resides on lysosomes to regulate mTORC1 signaling

Drizyte-Miller, K., Chen, J., Cao, H., Schott, M. B. and McNiven, M. A.

jcs236661

Abl-mediated PI3K activation regulates macrophage podosome formation

Zhou, Y., Feng, Z., Cao, F., Liu, X., Xia, X. and Yu, C.-h.

jcs234385

A functional *in vitro* cell-free system for studying DNA repair in isolated nuclei

Guardamagna, I., Bassi, E., Savio, M., Perucca, P., Cazzalini, O., Prospero, E. and Stivala, L. A.

jcs240010

Kinesin-14 family proteins and microtubule dynamics define *S. pombe* mitotic and meiotic spindle assembly, and elongation

Loncar, A., Rincon, S. A., Lera Ramirez, M., Paoletti, A. and Tran, P. T.

jcs240234

C3G localizes to the mother centriole in a cenexin-dependent manner and regulates centrosome duplication and primary cilium length

Nayak, S. C. and Radha, V.

jcs243113

Tetrahymena Poc5 is a transient basal body component that is important for basal body maturation
Heydeck, W., Bayless, B. A., Stemm-Wolf, A. J., O'Toole, E. T., Fabritius, A. S., Ozzello, C., Nguyen, M. and Winey, M.
jcs240838

Osh6 requires Ist2 for localization to ER–PM contacts and efficient phosphatidylserine transport in budding yeast
D'Ambrosio, J. M., Albanèse, V., Lipp, N.-F., Fleuriot, L., Debayle, D., Drin, G. and Čopič, A.
jcs243733

A stable sub-complex between GCP4, GCP5 and GCP6 promotes the assembly of γ -tubulin ring complexes
Haren, L., Farache, D., Emorine, L. and Merdes, A.
jcs244368

TOOLS AND RESOURCES

Automated 3D light-sheet screening with high spatiotemporal resolution reveals mitotic phenotypes
Eismann, B., Krieger, T. G., Beneke, J., Bulkescher, R., Adam, L., Erfle, H., Herrmann, C., Eils, R. and Conrad, C.
jcs245043