



Cover: Transmission electron microscopy image of a cell with disrupted ER-to-Golgi trafficking following CRISPR-Cas9-mediated editing of *MIA3/TANGO1*. See article by J. McCaughey et al. (jcs259075).

EDITORIAL

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Way, M. and Ahmad, S.

jcs259224

STICKY WICKET

Corona XLII – news for parrots

Mole

jcs259283

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First person – Eike Mahlandt

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First person – Giulia Corbet

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First person – Izzy Owen

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First person – Chujun Zhang

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CELL SCIENTISTS TO WATCH

Interview with 2021 Hooke medal winner Stephen Royle

jcs259282

CELL SCIENCE AT A GLANCE

Prion protein and prion disease at a glance

Zhu, C. and Aguzzi, A.

jcs245605

REVIEWS

Investigating the morphological dynamics of the plasma membrane by high-speed atomic force microscopy

Yu, Y. and Yoshimura, S. H.

jcs243584

Links between autophagy and tissue mechanics

Claude-Taupin, A., Codogno, P. and Dupont, N.

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RESEARCH ARTICLES

SUMOylation of RepoMan during late telophase regulates dephosphorylation of lamin A

Moriuchi, T. and Hirose, F.

jcs247171

A general role for TANGO1, encoded by *MIA3*, in secretory pathway organization and function

McCaughy, J., Stevenson, N. L., Mantell, J. M., Neal, C. R., Paterson, A., Heesom, K. and Stephens, D. J.

jcs259075

Phosphorylation of the AMPA receptor subunit GluA1 regulates clathrin-mediated receptor internalization

Sathler, M. F., Khatri, L., Roberts, J. P., Schmidt, I. G., Zaytseva, A., Kubrusly, R. C. C., Ziff, E. B. and Kim, S.

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ADAR1 limits stress granule formation through both translation-dependent and translation-independent mechanisms

Corbet, G. A., Burke, J. M. and Parker, R.

jcs258783

Activation of IRE1, PERK and salt-inducible kinases leads to Sec body formation in *Drosophila* S2 cells

Zhang, C., van Leeuwen, W., Blotenburg, M., Aguilera-Gomez, A., Brussee, S., Grond, R., Kampinga, H. H. and Rabouille, C.

jcs258685

Lamin regulates the dietary restriction response via the mTOR pathway in *Caenorhabditis elegans*

Charar, C., Metsuyananim-Cohen, S. and Bar, D. Z.

jcs258428

The oncogenic transcription factor FUS-CHOP can undergo nuclear liquid-liquid phase separation

Owen, I., Yee, D., Wyne, H., Perdikari, T. M., Johnson, V., Smyth, J., Kortum, R., Fawzi, N. L. and Shewmaker, F.

jcs258578

Nuclear translocation of the tagged endogenous MAPK MPK-1 denotes a subset of activation events in *C. elegans* development

Rasmussen, N. R. and Reiner, D. J.

jcs258456

Enhanced RhoA signalling stabilizes E-cadherin in migrating epithelial monolayers

Gupta, S., Duszyc, K., Verma, S., Budnar, S., Liang, X., Gomez, G. A., Marcq, P., Noordstra, I. and Yap, A. S.

jcs258767

Phosphorylated cingulin localises GEF-H1 at tight junctions to protect vascular barriers in blood endothelial cells

Holzner, S., Bromberger, S., Wenzina, J., Neumüller, K., Holper, T.-M., Petzelbauer, P., Bauer, W., Weber, B. and Schossleitner, K.

jcs258557

TOOLS AND RESOURCES

Visualizing endogenous Rho activity with an improved localization-based, genetically encoded biosensor

Mahlandt, E. K., Arts, J. J. G., van der Meer, W. J., van der Linden, F. H., Tol, S., van Buul, J. D., Gadella, T. W. J. and Goedhart, J.

jcs258823