



Cover: COS-7 cells expressing activator of G-protein signaling 3 (AGS3, green) and disheveled-2 (DVL2; red) with DAPI DNA stain (blue). α 2-adrenergic receptor activation leads to redistribution of AGS3 from the cell cortex to DVL2 punctate structures in the cytosol and to the Golgi, and this translocation is reversed by receptor antagonist and by uncoupling of receptor and G protein through cell treatment with pertussis toxin. See article by A. Vural and S. M. Lanier (jcs247908).

STICKY WICKET

Corona XIII – scorpions and frogs

Mole

jcs251363

Corona XIV – insurance

Mole

jcs251199

FIRST PERSON

First person – Nathan Roy

jcs253047

First person – Wenqing Zhou, Alan Hsu and Yueyang Wang

jcs253070

First person – Ali Vural

jcs253039

First person – Yuki Yoshino

jcs253153

First person – Francesco Baschieri

jcs253054

CELL SCIENTISTS TO WATCH

Cell scientist to watch – Yanlan Mao

jcs252569

CELL SCIENCE AT A GLANCE

p63-related signaling at a glance

Fisher, M. L., Balinth, S. and Mills, A. A.

jcs228015

REVIEWS

Microautophagy – distinct molecular mechanisms handle cargoes of many sizes

Schuck, S.

jcs246322

Bring it back, bring it back, don't take it away from me – the sorting receptor RER1

Annaert, W. and Kaether, C.

jcs231423

RESEARCH ARTICLES

Diffusion rather than intraflagellar transport likely provides most of the tubulin required for axonemal assembly in *Chlamydomonas*
Craft Van De Weghe, J., Harris, J. A., Kubo, T., Witman, G. B. and Lechtreck, K. F.

jcs249805

Amino acid homeostatic control by TORC1 in *Saccharomyces cerevisiae* under high hydrostatic pressure

Uemura, S., Mochizuki, T., Amemiya, K., Kurosaka, G., Yazawa, M., Nakamoto, K., Ishikawa, Y., Izawa, S. and Abe, F.

jcs245555

The *S. pombe* CDK5 ortholog Pef1 regulates sexual differentiation through control of the TORC1 pathway and autophagy

Matsuda, S., Kikkawa, U., Uda, H. and Nakashima, A.

jcs247817

LFA-1 signals to promote actin polymerization and upstream migration in T cells

Roy, N. H., Kim, S. H. J., Buffone, A. Jr., Blumenthal, D., Huang, B., Agarwal, S., Schwartzberg, P. L., Hammer, D. A. and Burkhardt, J. K.

jcs248328

Fe65 is the sole member of its family that mediates transcription regulated by the amyloid precursor protein

Probst, S., Krüger, M., Kägi, L., Thöni, S., Schuppli, D., Nitsch, R. M. and Konietzko, U.

jcs242917

Mitofusin 2 regulates neutrophil adhesive migration and the actin cytoskeleton

Zhou, W., Hsu, A. Y., Wang, Y., Syahirah, R., Wang, T., Jeffries, J., Wang, X., Mohammad, H., Seleem, M. N., Umulis, D. and Deng, Q.

jcs248880

Intersection of two key signal integrators in the cell: activator of G-protein signaling 3 and dishevelled-2

Vural, A. and Lanier, S. M.

jcs247908

The role of the α -tubulin acetyltransferase α TAT1 in the DNA damage response

Ryu, N. M. and Kim, J. M.

jcs246702

Frustration of endocytosis potentiates compression-induced receptor signaling

Baschieri, F., Le Devedec, D., Tettarasar, S., Elkhatib, N. and Montagnac, G.

jcs239681

RACK1 regulates centriole duplication through promoting the activation of polo-like kinase 1 by Aurora A

Yoshino, Y., Kobayashi, A., Qi, H., Endo, S., Fang, Z., Shindo, K., Kanazawa, R. and Chiba, N.

jcs238931

PUBLISHER'S NOTE

Expression of Concern: Mechanisms underlying p53 regulation of *PIK3CA* transcription in ovarian surface epithelium and in ovarian cancer

Astanehe, A., Arenillas, D., Wasserman, W. W., Leung, P. C. K., Dunn, S. E., Davies, B. R., Mills, G. B. and Auersperg, N.

jcs253260