



Cover: Cysts formed by MDCK_{ΔGal3} cells show defects in organization and develop multiple small lumens or tubes. Cells were cultured in Matrigel for 7 days and polarity of cysts analysed by confocal microscopy. Cysts are stained for β-catenin (green) and gp135 (red). Nuclei are stained blue with Hoechst 33342. See article by E. Höning et al. (jcs213199).

FIRST PERSON

First person – María Gabriela Otero
jcs220541

First person – Natalie Farrawell
jcs220806

First person – Oddrun Elise Olsen
jcs220731

First person – Frances Tilley
jcs220723

CELL SCIENCE AT A GLANCE

Plasmodesmata at a glance
Sager, R. E. and Lee, J.-Y.
jcs209346

REVIEW

Common signalling pathways in macrophage and osteoclast multinucleation

Pereira, M., Petretto, E., Gordon, S., Bassett, J. H. D., Williams, G. R. and Behmoaras, J.
jcs216267

SHORT REPORTS

CCAR-1 affects hemidesmosome biogenesis by regulating unc-52/perlecan alternative splicing in the *C. elegans* epidermis
Fu, R., Zhu, Y., Jiang, X., Li, Y., Zhu, M., Dong, M., Huang, Z., Wang, C., Labouesse, M. and Zhang, H.
jcs214379

Studying meiotic cohesin in somatic cells reveals that Rec8-containing cohesin requires Stag3 to function and is regulated by Wapl and sororin
Wolf, P. G., Cuba Ramos, A., Kenzel, J., Neumann, B. and Stemmann, O.
jcs212100

Melanopsin (Opn4) utilizes G α_i and G $\beta\gamma$ as major signal transducers
Kankanamge, D., Ratnayake, K., Samarativakara, S. and Karunaratne, A.
jcs212910

RESEARCH ARTICLES

Tricellular junction proteins promote disentanglement of daughter and neighbour cells during epithelial cytokinesis
Wang, Z., Bosveld, F. and Bellaïche, Y.
jcs215764

Role of Kip2 during early mitosis – impact on spindle pole body separation and chromosome capture
Augustine, B., Chin, C. F. and Yeong, F. M.
jcs211425

Proteasome stress leads to APP axonal transport defects by promoting its amyloidogenic processing in lysosomes
Otero, M. G., Fernandez Bessone, I., Hallberg, A. E., Cromberg, L. E., De Rossi, M. C., Saez, T. M., Levi, V., Almenar-Queralt, A. and Falzone, T. L.
jcs214536

ARF6 protects sister chromatid cohesion to ensure the formation of stable kinetochore-microtubule attachments
Bourmoum, M., Charles, R. and Claing, A.
jcs216598

The actin cytoskeleton of the mouse sperm flagellum is organized in a helical structure
Gervasi, M. G., Xu, X., Carballo-Gonzalez, B., Buffone, M. G., Visconti, P. E. and Krapf, D.
jcs215897

Lipid droplet consumption is functionally coupled to vacuole homeostasis independent of lipophagy
Ouahoud, S., Fiet, M. D., Martínez-Montañés, F., Ejsing, C. S., Kuss, O., Roden, M. and Markgraf, D. F.
jcs213876

BMPR2 inhibits activin and BMP signaling via wild-type ALK2
Olsen, O. E., Sankar, M., Elsaadi, S., Hella, H., Buene, G., Darvekar, S. R., Misund, K., Katagiri, T., Knaus, P. and Holien, T.
jcs213512

Galectin-3 modulates the polarized surface delivery of β1-integrin in epithelial cells
Höning, E., Ringer, K., Dewes, J., von Mach, T., Kamm, N., Kreitzer, G. and Jacob, R.
jcs213199

SOD1^{A4V} aggregation alters ubiquitin homeostasis in a cell model of ALS
Farrawell, N. E., Lambert-Smith, I., Mitchell, K., McKenna, J., McAlary, L., Ciryam, P., Vine, K. L., Saunders, D. N. and Yerbury, J. J.
jcs209122

Retromer associates with the cytoplasmic amino-terminus of polycystin-2
Tilley, F. C., Gallon, M., Luo, C., Danson, C. M., Zhou, J. and Cullen, P. J.
jcs211342

IL1β and TNFα promote RANKL-dependent adseverin expression and osteoclastogenesis
Wang, Y., Galli, M., Shade Silver, A., Lee, W., Song, Y., Mei, Y., Bachus, C., Glogauer, M. and McCulloch, C. A.
jcs213967

TOOLS AND RESOURCES

Microtubules as platforms for probing liquid–liquid phase separation in cells – application to RNA-binding proteins
Maucuer, A., Desforges, B., Joshi, V., Boca, M., Kretov, D. A., Hamon, L., Bouhss, A., Curmi, P. A. and Pastré, D.
jcs214692