

Cover: Different morphologies of endometrial cancer acini expressing wild-type FGFR2 or FGFR2 activating mutations. Wild-type acini are spherical with lumens whereas acini with the N550K mutation predominantly exhibit multiple interconnected lobes and Y376C mutant acini are enlarged, non-polarised structures. Acini are co-stained for nuclei, Golgi and filamentous actin (various pseudocolour schemes). See article by S. J. Stehbens et al. (jcs213678).

FIRST PERSON

First person – Hsin-Yi Lee
jcs223834

First person – Ashok Kumar
jcs223727

First person – Varsha Singh
jcs223636

First person – Vibha Singh
jcs223339

First person – Rini Ravindran
jcs223545

CELL SCIENTISTS TO WATCH

Cell scientist to watch – Pere Roca-Cusachs
jcs222596


MEETING REPORT

Meeting report – Dynamic Cell III
Garner, K., Goddard, G. K., Johnston, M., Moruzzi, M. and Woolner, S.
jcs222927

CELL SCIENCE AT A GLANCE

The kinetochore–microtubule interface at a glance
Monda, J. K. and Cheeseman, I. M.
jcs214577

REVIEW

 Re-inforcing the cell death army in the fight against breast cancer
Oudenaarden, C. R. L., van de Ven, R. A. H. and Derksen, P. W. B.
jcs212563

SHORT REPORTS

All three IP₃ receptor subtypes generate Ca²⁺ puffs, the universal building blocks of IP₃-evoked Ca²⁺ signals
Mataragka, S. and Taylor, C. W.
jcs220848

Phosphatidylinositol 4,5-bisphosphate regulates cilium transition zone maturation in *Drosophila melanogaster*
Gupta, A., Fabian, L. and Brill, J. A.
jcs218297

Integrin signaling downregulates filopodia during muscle–tendon attachment

Richier, B., Inoue, Y., Dobramysl, U., Friedlander, J., Brown, N. H. and Gallop, J. L.
jcs217133

RESEARCH ARTICLES

Involvement of the septation initiation network in events during cytokinesis in fission yeast
Dey, S. K. and Pollard, T. D.
jcs216895

The putative ceramide-conjugation protein Cwh43 regulates GO quiescence, nutrient metabolism and lipid homeostasis in fission yeast
Nakazawa, N., Teruya, T., Sajiki, K., Kumada, K., Villar-Briones, A., Arakawa, O., Takada, J., Saitoh, S. and Yanagida, M.
jcs217331

Misfolding-prone proteins are reversibly sequestered to an Hsp42-associated granule upon chronological aging
Lee, H.-Y., Chao, J.-C., Cheng, K.-Y. and Leu, J.-Y.
jcs220202

Primary cilia are necessary for Prx1-expressing cells to contribute to postnatal skeletogenesis
Moore, E. R., Yang, Y. and Jacobs, C. R.
jcs217828

Cell injury triggers actin polymerization to initiate epithelial restitution
Aihara, E., Medina-Candelaria, N. M., Hanyu, H., Matthis, A. L., Engevik, K. A., Gurniak, C. B., Witke, W., Turner, J. R., Zhang, T. and Montrose, M. H.
jcs216317

A predicted unstructured C-terminal loop domain in SIRT1 is required for cathepsin B cleavage
Kumar, A., Daitsh, Y., Ben-Aderet, L., Qiq, O., Elayyan, J., Batshon, G., Reich, E., Maatuf, Y. H., Engel, S. and Dvir-Ginzberg, M.
jcs214973

Stress granule formation is induced by a threshold temperature rather than a temperature difference in *Arabidopsis*
Hamada, T., Yako, M., Minegishi, M., Sato, M., Kamei, Y., Yanagawa, Y., Toyooka, K., Watanabe, Y. and Hara-Nishimura, I.
jcs216051

Cholera toxin inhibits SNX27-retromer-mediated delivery of cargo proteins to the plasma membrane
Singh, V., Yang, J., Yin, J., Cole, R., Tse, M., Berman, D. E., Small, S. A., Petsko, G. and Donowitz, M.
jcs218610

Functional analyses of Pericentrin and Syne-2 interaction in ciliogenesis

Falk, N., Kessler, K., Schramm, S.-F., Boldt, K., Becirovic, E., Michalakis, S., Regus-Leidig, H., Noegel, A. A., Ueffing, M., Thiel, C. T., Roepman, R., Brandstätter, J. H. and Gießl, A.
jcs218487

Cell-matrix adhesion controls Golgi organization and function through Arf1 activation in anchorage-dependent cells

Singh, V., Erady, C. and Balasubramanian, N.
jcs215855

New ubiquitin-dependent mechanisms regulating the Aurora B–protein phosphatase 1 balance in *Saccharomyces cerevisiae*

Ravindran, R., Polk, P., Robinson, L. C. and Tatchell, K.
jcs217620

Inhibition of SHIP2 activity inhibits cell migration and could prevent metastasis in breast cancer cells

Ghosh, S., Scozzaro, S., Ramos, A. R., Delcambre, S., Chevalier, C., Krejci, P. and Erneux, C.
jcs216408