



Cover: AiryScan super-resolution image of a mitotic MDCKII cell stained for α -tubulin (blue), which marks microtubules, and DNA (Hoechst 33342, green). The growing ends of astral microtubules, which help orient the mitotic spindle, are stained for EB1 family proteins (magenta). For the cell to divide in the correct orientation, Dlg1 (yellow) must be localised at the cell cortex through interaction with CASK, as described in the article by Porter et al. (jcs230086).

STICKY WICKET

Wouldn't it, too, be nice?

Mole

jcs234369

FIRST PERSON

First person – Carlos Alonso

jcs235952

First person – Aryeh Babkoff

jcs235671

First person – Andrew Porter

jcs235663

First person – Yohan Kim

jcs235655

REVIEWS

The cilium as a force sensor—myth versus reality

Ferreira, R. R., Fukui, H., Chow, R., Vilfan, A. and Vermot, J.

jcs213496

Mechanics of nuclear membranes

Agrawal, A. and Lele, T. P.

jcs229245

SHORT REPORT

Anterior-enriched filopodia create the appearance of asymmetric membrane microdomains in polarizing *C. elegans* zygotes

Hirani, N., Illukkumbura, R., Bland, T., Mathonnet, G., Suhner, D., Reymann, A.-C. and Goehring, N. W.

jcs230714

RESEARCH ARTICLES

MRP4-mediated cAMP efflux is essential for mouse spermatozoa capacitation

Alonso, C. A. I., Lottero-Leconte, R., Luque, G. M., Vernaz, Z. J., Di Siervi, N., Gervasi, M. G., Buffone, M. G., Davio, C. and Perez-Martinez, S.

jcs230565

Sumoylation regulates protein dynamics during meiotic chromosome segregation in *C. elegans* oocytes

Pelisch, F., Bel Borja, L., Jaffray, E. G. and Hay, R. T.

jcs232330

The exocyst complex and Rab5 are required for abscission by localizing ESCRT III subunits to the cytokinetic bridge

Kumar, H., Pushpa, K., Kumari, A., Verma, K., Pergu, R. and Mylavaram, S. V. S.

jcs226001

A direct interaction between survivin and myosin II is required for cytokinesis

Babkoff, A., Cohen-Kfir, E., Aharon, H., Ronen, D., Rosenberg, M., Wiener, R. and Ravid, S.

jcs233130

The interaction between CASK and the tumour suppressor Dlg1 regulates mitotic spindle orientation in mammalian epithelia

Porter, A. P., White, G. R. M., Mack, N. A. and Malliri, A.

jcs230086

Tau interacts with SHP2 in neuronal systems and in Alzheimer's disease brains

Kim, Y., Liu, G., Leugers, C. J., Mueller, J. D., Francis, M. B., Hefti, M. M., Schneider, J. A. and Lee, G.

jcs229054

TGF- β family ligands exhibit distinct signalling dynamics that are driven by receptor localisation

Miller, D. S. J., Schmierer, B. and Hill, C. S.

jcs234039

Mitochondrial NCKX5 regulates melanosomal biogenesis and pigment production

Zhang, Z., Gong, J., Sviderskaya, E. V., Wei, A. and Li, W.

jcs232009

Retinoblastoma protein represses E2F3 to maintain Sertoli cell quiescence in mouse testis

Rotgers, E., Cisneros-Montalvo, S., Nurmio, M. and Toppari, J.

jcs229849

BOH1 cooperates with Polo-like kinase to regulate flagellum inheritance and cytokinesis initiation in *Trypanosoma brucei*

Pham, K. T. M., Zhou, Q., Kurasawa, Y. and Li, Z.

jcs230581