



Cover: Cellular adaptive response of a mouse embryonic fibroblast, seeded on oval microposts (grey outlines), to anisotropic topographical cues. Note the selective adherence to the microposts at the boundaries of the cell (visualised by vinculin labelling in green) and the concurrent alignment of actin microfilaments parallel to the microposts, especially at the bottom of the cell (red). Supranuclear actin cap fibres deviate partially from this alignment. The nucleus is counterstained with DAPI (blue). Z-projection of confocal slices. See article by C. Tamiello et al. (pp. 779–790).

CELL SCIENTISTS TO WATCH

- 659 Cell scientist to watch – Arun Shukla

CELL SCIENCE AT A GLANCE

- 663 Cancer cell behaviors mediated by dysregulated pH dynamics at a glance
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COMMENTARY

- 671 Mitochondrial dynamics in neuronal injury, development and plasticity
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SHORT REPORTS

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- 689 Tension regulates myosin dynamics during *Drosophila* embryonic wound repair
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- 712 The spectraplakins Short stop is an essential microtubule regulator involved in epithelial closure in *Drosophila*
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- 725 A potential physiological role for bi-directional motility and motor clustering of mitotic kinesin-5 Cin8 in yeast mitosis
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- 735 Role of the phagosomal redox-sensitive TRP channel TRPM2 in regulating bactericidal activity of macrophages
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- 745 Accumulation of nuclear ADAR2 regulates adenosine-to-inosine RNA editing during neuronal development
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- 754 Interplay between a cytosolic and a cell surface carbonic anhydrase in pH homeostasis and acid tolerance of *Leishmania*
Pal, D. S., Abbasi, M., Mondal, D. K., Varghese, B. A., Paul, R., Singh, S. and Datta, R.

- 767 Human cactin interacts with DHX8 and SRRM2 to assure efficient pre-mRNA splicing and sister chromatid cohesion
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- 779 Cellular strain avoidance is mediated by a functional actin cap – observations in an *Lmna*-deficient cell model
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- 791 Pex35 is a regulator of peroxisome abundance
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- 805 Suppression of intestinal tumorigenesis in *Apc* mutant mice upon Musashi-1 deletion
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RETRACTIONS

- 814 Retraction: Antioxidant-induced INrf2 (Keap1) tyrosine 85 phosphorylation controls the nuclear export and degradation of the INrf2–Cul3–Rbx1 complex to allow normal Nrf2 activation and repression
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- 815 Retraction: Oncogene PKC ϵ controls INrf2–Nrf2 interaction in normal and cancer cells through phosphorylation of INrf2
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- 816 Retraction: Antioxidant-induced modification of INrf2 cysteine 151 and PKC- δ -mediated phosphorylation of Nrf2 serine 40 are both required for stabilization and nuclear translocation of Nrf2 and increased drug resistance
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