



Cover: Radial (orange, red and yellow) and chiral (cyan and blue) patterns of organization of the actin cytoskeleton (orange, red and cyan) and keratin network (yellow and blue) in keratinocytes and NBT-II rat bladder carcinoma cells (orange). Radial organization of the actin cytoskeleton in NBT-II cells was induced by treatment with EGF, while chiral actin and keratin organization in keratinocytes was induced by treatment with low doses of latrunculin A. See article by Salma Jalal et al. (jcs.220780).

STICKY WICKET

Noir I – the anti-executioner
Mole
jcs230961

FIRST PERSON

First person – Salma Jalal
jcs230912

First person – Christin Bissig
jcs230466

First person – Veer Keizer
jcs230557

First person – Kan Etoh
jcs230474

First person – Lisa Leinhos
jcs230458

CELL SCIENTISTS TO WATCH

Cell scientist to watch – Kivanc Birsoy
jcs230540

MEETING REPORT

Meeting report – Building the Cell 2018
Bertin, A. and Lomakin, A.
jcs229765

CELL SCIENCE AT A GLANCE

LC3-associated phagocytosis at a glance
Heckmann, B. L. and Green, D. R.
jcs222984

REVIEW

The unfolded protein response in metazoan development
Mitra, S. and Ryoo, H. D.
jcs217216

SHORT REPORTS

Structure and function analysis of the *C. elegans* aminophospholipid translocase TAT-1
Chen, Y.-Z., Klöditz, K., Lee, E.-S., Nguyen, D. P., Yuan, Q., Johnson, J., Lee-yow, Y., Hall, A., Mitani, S., Xia, N.-S., Fadeel, B. and Xue, D.
jcs227660

Recruitment of Jub by α -catenin promotes Yki activity and *Drosophila* wing growth
Alégot, H., Markosian, C., Rauskolb, C., Yang, J., Kirichenko, E., Wang, Y.-C. and Irvine, K. D.
jcs222018

IFT25 is required for the construction of the trypanosome flagellum
Huet, D., Blisnick, T., Perrot, S. and Bastin, P.
jcs228296

Ena orchestrates remodelling within the actin cytoskeleton to drive robust *Drosophila* macrophage chemotaxis
Davidson, A. J., Millard, T. H., Evans, I. R. and Wood, W.
jcs224618

Synaptotagmin 5 regulates Ca^{2+} -dependent Weibel–Palade body exocytosis in human endothelial cells
Lenzi, C., Stevens, J., Osborn, D., Hannah, M. J., Bierings, R. and Carter, T.
jcs221952

RESEARCH ARTICLES

Synthetic lethality of cytolytic HSV-1 in cancer cells with ATRX and PML deficiency
Han, M., Napier, C. E., Frölich, S., Teber, E., Wong, T., Noble, J. R., Choi, E. H. Y., Everett, R. D., Cesare, A. J. and Reddel, R. R.
jcs222349

The zinc-finger protein CLAMP promotes *gypsy* chromatin insulator function in *Drosophila*
Bag, I., Dale, R. K., Palmer, C. and Lei, E. P.
jcs226092

Actin cytoskeleton self-organization in single epithelial cells and fibroblasts under isotropic confinement
Jalal, S., Shi, S., Acharya, V., Huang, R. Y.-J., Viasnoff, V., Bershadsky, A. D. and Tee, Y. H.
jcs220780

Nuclear RNA foci from *C9ORF72* expansion mutation form paraspeckle-like bodies
Bajc Česnik, A., Darovic, S., Prpar Mihevc, S., Štalekar, M., Malnar, M., Motaln, H., Lee, Y.-B., Mazej, J., Pohleven, J., Grosch, M., Modic, M., Fonovič, M., Turk, B., Drukker, M., Shaw, C. E. and Rogelj, B.
jcs224303

Differential YAP expression in glioma cells induces cell competition and promotes tumorigenesis
Liu, Z., Yee, P. P., Wei, Y., Liu, Z., Kawasaki, Y. I. and Li, W.
jcs225714

Atrophy, oxidative switching and ultrastructural defects in skeletal muscle of the ataxia telangiectasia mouse model
Tassinari, V., De Gennaro, V., La Sala, G., Marazziti, D., Bolasco, G., Aguanno, S., De Angelis, L., Naro, F. and Pellegrini, M.
jcs223008

Excitable dynamics of Ras triggers spontaneous symmetry breaking of PIP3 signaling in motile cells

Fukushima, S., Matsuoka, S. and Ueda, M.

jcs224121

Activated MLKL attenuates autophagy following its translocation to intracellular membranes

Frank, D., Vaux, D. L., Murphy, J. M., Vince, J. E. and Lindqvist, L. M.

jcs220996

A Cdc42 GEF, Gef1, through endocytosis organizes F-BAR Cdc15 along the actomyosin ring and promotes concentric furrowing

Onwubiko, U. N., Mlynarczyk, P. J., Wei, B., Habiyaremye, J., Clack, A., Abel, S. M. and Das, M. E.

jcs223776

Tissue-type plasminogen activator regulates p35-mediated Cdk5 activation in the postsynaptic terminal

Diaz, A., Jeanneret, V., Merino, P., McCann, P. and Yepes, M.

jcs224196

The PIKfyve complex regulates the early melanosome homeostasis required for physiological amyloid formation

Bissig, C., Croisé, P., Heiligenstein, X., Hurbain, I., Lenk, G. M., Kaufman, E., Sannerud, R., Annaert, W., Meisler, M. H., Weisman, L. S., Raposo, G. and van Niel, G.

jcs229500

Podoplanin regulates the migration of mesenchymal stromal cells and their interaction with platelets

Ward, L. S. C., Sherif, L., Marshall, J. L., Manning, J. E., Brill, A., Nash, G. B. and McGettrick, H. M.

jcs222067

Src-mediated phosphorylation of β Pix-b regulates dendritic spine morphogenesis

Shin, M.-seon, Song, S.-ho, Shin, J. E., Lee, S.-H., Huh, S.-O. and Park, D.

jcs224980

Repetitive switching between DNA-binding modes enables target finding by the glucocorticoid receptor

Keizer, V. I. P., Coppola, S., Houtsmuller, A. B., Geverts, B., van Royen, M. E., Schmidt, T. and Schaaf, M. J. M.

jcs217455

Rab10 regulates tubular endosome formation through KIF13A and KIF13B motors

Etoh, K. and Fukuda, M.

jcs226977

Desmoglein 2 mutation provokes skeletal muscle actin expression and accumulation at intercalated discs in murine hearts

Kant, S., Freytag, B., Herzog, A., Reich, A., Merkel, R., Hoffmann, B., Krusche, C. A. and Leube, R. E.

jcs199612

Hypoxia suppresses myofibroblast differentiation by changing RhoA activity

Leinhos, L., Peters, J., Krull, S., Helbig, L., Vogler, M., Levay, M., van Belle, G. J., Ridley, A. J., Lutz, S., Katschinski, D. M. and Zieseniss, A.

jcs223230

A conserved retromer-independent function for RAB-6.2 in *C. elegans* epidermis integrity

Kim, J. D., Chun, A. Y., Mangan, R. J., Brown, G., Mourao Pacheco, B., Doyle, H., Leonard, A. and El Bejjani, R.

jcs223586

BBS4 is required for intraflagellar transport coordination and basal body number in mammalian olfactory cilia

Uytingco, C. R., Williams, C. L., Xie, C., Shively, D. T., Green, W. W., Ukhanov, K., Zhang, L., Nishimura, D. Y., Sheffield, V. C. and Martens, J. R.

jcs222331

RETRACTION

Retraction: FAK and Src kinases are required for netrin-induced tyrosine phosphorylation of UNC5 (doi: 10.1242/jcs.02697)

Li, W., Aurandt, J., Jürgensen, C., Rao, Y. and Guan, K.-L.

jcs230342

CORRECTIONS

Correction: LC3-associated phagocytosis at a glance (doi:10.1242/jcs.222984)

Heckmann, B. L. and Green, D. R.

jcs231472

Correction: The lipid-transfer protein Nir2 enhances epithelial-mesenchymal transition and facilitates breast cancer metastasis (doi:10.1242/jcs.155721)

Keinan, O., Kedan, A., Gavert, N., Selitrennik, M., Kim, S.H., Karn, T., Becker, S. and Lev, S.

jcs227868

Correction: TIMP-1 promotes hypermigration of *Toxoplasma*-infected primary dendritic cells via CD63–ITGB1–FAK signaling (doi:10.1242/jcs.225193)

Ólafsson, E. B., Ross, E. C., Varas-Godoy, M. and Barragan, A.

jcs230920