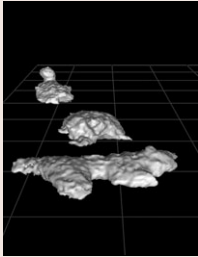


Journal of Cell Science

Volume 120 (14) 2007



Cover: Surface renderings of a single chemotaxing *Dictyostelium* cell, made from confocal reconstructions at approximately 3-minute intervals. The radical shape changes of these moving cells lead to corresponding changes in surface area. It is proposed that surface area is regulated through control of the endocytic cycle, giving the endocytic cycle an essential role in cell motility. See article by D. Traynor and R. R. Kay (pp. 2318-2327).

jcs.biologists.org

Research Articles

- 2309 **Polarity proteins PAR6 and aPKC regulate cell death through GSK-3 β in 3D epithelial morphogenesis.** Kim, M., Datta, A., Brakeman, P., Yu, W. and Mostov, K. E.
- 2318 **Possible roles of the endocytic cycle in cell motility.** Traynor, D. and Kay, R. R.
- 2328 **Expression of the transcription factor NFAT2 in human neutrophils: IgE-dependent, Ca²⁺- and calcineurin-mediated NFAT2 activation.** Vega, A., Chacón, P., Monteseirín, J., El Bekay, R., Alba, G., Martín-Nieto, J. and Sobrino, F.
- 2338 **A LYST/beige homolog is involved in biogenesis of *Dictyostelium* secretory lysosomes.** Charette, S. J. and Cosson, P.
- 2344 **SUUR joins separate subsets of PcG, HP1 and B-type lamin targets in *Drosophila*.** Pindyurin, A. V., Moorman, C., de Wit, E., Belyakin, S. N., Belyaeva, E. S., Christophides, G. K., Kafatos, F. C., van Steensel, B. and Zhimulev, I. F.
- 2352 **Cooperative roles of Par-3 and afadin in the formation of adherens and tight junctions.** Ooshio, T., Fujita, N., Yamada, A., Sato, T., Kitagawa, Y., Okamoto, R., Nakata, S., Miki, A., Irie, K. and Takai, Y.
- 2366 **Structure and function analysis of the CMS/CIN85 protein family identifies actin-bundling properties and heterotypic-complex formation.** Gaidos, G., Soni, S., Oswald, D. J., Toselli, P. A. and Kirsch, K. H.
- 2378 **Identification of a novel conserved sorting motif required for retromer-mediated endosome-to-TGN retrieval.** Seaman, M. N. J.
- 2390 **Rot1 plays an antagonistic role to Clb2 in actin cytoskeleton dynamics throughout the cell cycle.** Juanes, M. A., Queralt, E., Bañó, M. C. and Igual, J. C.
- 2402 **Dynamic recruitment of axin by Dishevelled protein assemblies.** Schwarz-Romond, T., Metcalfe, C. and Bienz, M.
- 2413 **A cytoskeletal-based perimeter fence selectively corrals a sub-population of cell surface Kv2.1 channels.** Tamkun, M. M., O'Connell, K. M. S. and Rolig, A. S.

Hypothesis

- 2295 **Unconventional secretion: an extracellular trap for export of fibroblast growth factor 2.** Nickel, W.

Commentary

- 2301 **Show and tell: visualizing gene expression in living cells.** Rafalska-Metcalf, I. U. and Janicki, S. M.

- 2424 **CDK11^{p58} is required for the maintenance of sister chromatid cohesion.** Hu, D., Valentine, M., Kidd, V. J. and Lahti, J. M.
- 2435 **Conditional targeting of plectin in prenatal and adult mouse stratified epithelia causes keratinocyte fragility and lesional epidermal barrier defects.** Ackerl, R., Walko, G., Fuchs, P., Fischer, I., Schmuth, M. and Wiche, G.
- 2444 **Centrosome replication in hydroxyurea-arrested CHO cells expressing GFP-tagged centrin2.** Kuriyama, R., Terada, Y., Lee, K. S. and Wang, C. L. C.
- 2454 **Cornichon regulates transport and secretion of TGF α -related proteins in metazoan cells.** Perez Castro, C., Piscopo, D., Nakagawa, T. and Derynck, R.

Author Correction

- 2467 **Differential action of steroid hormones on human endothelium.** Oberleithner, H., Riethmüller, C., Ludwig, T., Shahin, V., Stock, C., Schwab, A., Hausberg, M., Kusche, K. and Schillers, H.

Erratum

- 2468 **Ca²⁺ signaling through ryanodine receptor 1 enhances maturation and activation of human dendritic cells.** Laura Bracci, L., Vukcevic, M., Spagnoli, G., Ducreux, S., Zorzato, F. and Treves, S.