Contents

Journal of Cell Science

Volume 119 (22) 2006

Cover: Cryosections of mouse small intestine were stained with antibodies against the long-chain fatty acyl-CoA synthetase FATP4 (green) and the apical marker protein alkaline phosphatase (red). Nuclei of the intestinal epithelium were visualized by Hoechst 33342 dye (blue). See article by Milger et al. (pp. 4678-4688).

jcs.biologists.org

Research Articles


4634 Junctional expression of the prion protein PrP<sup>C</sup> by brain endothelial cells: a role in trans-endothelial migration of human monocytes. Viegas, P., Chaverot, N., Enslen, H., Perrière, N., Couraud, P.-O. and Cazaubon, S.

4644 DNA damage responses in progeroid syndromes arise from defective maturation of p53. Liu, Y., Rusinol, A., Sinensky, M., Wang, Y. and Zou, Y.

4650 ARAP2 effects on the actin cytoskeleton are dependent on Arf6-specific GTPase-activating protein activity and binding to RhoA-GTP. Yoon, H.-Y., Miura, K., Cuthbert, E. J., Davis, K. K., Alvazi, B., Casanova, J. E. and Randazzo, P. A.

4667 Methylation of histone H3 at Lys4 differs between paternal and maternal chromosomes in Sciara ocellaris germline development. Grenciano, P. G. and Goday, C.


4689 GRIF1 binds Hrs and is a new regulator of endosomal trafficking. Kirk, E., Chin, L.-S. and Li, D.


4710 Pom1 kinase links division plane position to cell polarity by regulating Mid1p cortical distribution. Celton-Morizur, S., Racine, V., Sibarita, J.-B. and Paoletti, A.

4719 Re-programming of newt cardiomyocytes is induced by tissue regeneration. Laube, F., Heister, M., Scholz, C., Borchardt, T. and Braun, T.

Cell Science at a Glance

4585 The budding yeast endocytic pathway. Toret, C. P. and Drubin, D. G.

Commentaries

4589 Actin regulation in endocytosis. Smythe, E. and Ayscough, K. R.

4599 Cinderella no longer: α-catenin steps out of cadherin’s shadow. Scott, J. A. and Yap, A. S.

4607 Diverse physiological functions for dual-specificity MAP kinase phosphatases. Dickinson, R. J. and Keyse, S. M.

Short Report


4730 Genetic and molecular interactions of the Erv41p-Erv46p complex involved in transport between the endoplasmic reticulum and Golgi complex. Welsh, L. M., Tong, A. H. Y., Boone, C., Jensen, O. N. and Otte, S.

4741 Influx of extracellular Ca<sup>2+</sup> is necessary for electrotaxis in Dictostelium. Shanley, L. J., Walczysko, P., Bain, M., MacEwan, D. J. and Zhao, M.

4749 Multiple domains in Siz SUMO ligases contribute to substrate selectivity. Reindle, A., Belichenko, I., Bylebyl, G. R., Chen, X. L., Gandhi, N. and Johnson, E. S.

4758 Macropinocytosis: regulated coordination of endocytic and exocytic membrane traffic events. Falcone, S., Cocucci, E., Podini, P., Kirchhausen, T., Clementi, E. and Meldolesi, J.


4781 Insights into cytoskeletal behavior from computational modeling of dynamic microtubules in a cell-like environment. Gregoretti, I. V., Margolin, G., Alber, M. S. and Goodson, H. V.

Author Correction

4789 Host cell Ca<sup>2+</sup> and protein kinase C regulate innate recognition of Toxoplasma gondii. Masek, K. S., Fiore, J., Leitges, M., Yan, S.-F., Freedman, B. D. and Hunter, C. A.