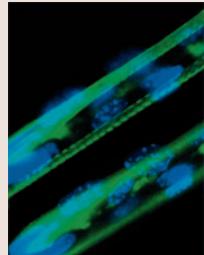


Journal of Cell Science

Volume 118 (7) 2005



Cover: Micrographs of the myotubes stained for myosin and nuclei and taken at two different focal planes reveal that muscle cells form sarcomeres when grown on top of other cells, but not when grown directly on a rigid glass substrate. See article by M. A. Griffin et al. (pp. 1405-1416).

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Research Articles

- 1355 Nuclear localization of HTLV-I bZIP factor (HBZ) is mediated by three distinct motifs. Hivin, P., Frédéric, M., Arpin-André, C., Basbous, J., Gay, B., Thébault, S. and Mesnard, J.-M.
- 1363 O-glycosylation is essential for intracellular targeting of synaptotagmins I and II in non-neuronal specialized secretory cells. Atiya-Nasagi, Y., Cohen, H., Medalia, O., Fukuda, M. and Sagi-Eisenberg, R.
- 1373 Functional INAD complexes are required to mediate degeneration in photoreceptors of the *Drosophila rdgA* mutant. Georgiev, P., Garcia-Murillas, I., Ulahannan, D., Hardie, R. C. and Raghu, P.
- 1385 Embryonic-stage-dependent changes in the level of eIF4E-binding proteins during early development of sea urchin embryos. Salaün, P., Boulben, S., Mulner-Lorillon, O., Bellé, R., Sonenberg, N., Morales, J. and Cormier, P.
- 1395 The N-terminal Ac-EED sequence plays a role in α -smooth-muscle actin incorporation into stress fibers. Clément, S., Hinz, B., Dugina, V., Gabbiani, G. and Chaponnier, C.
- 1405 γ -Sarcoglycan deficiency increases cell contractility, apoptosis and MAPK pathway activation but does not affect adhesion. Griffin, M. A., Feng, H., Tewari, M., Acosta, P., Kawana, M., Sweeney, H. L. and Discher, D. E.
- 1417 Effect of Walker A mutation (K86M) on oligomerization and surface targeting of the multidrug resistance transporter ABCG2. Henriksen, U., Gether, U. and Litman, T.
- 1427 Palmitoylation of claudins is required for efficient tight-junction localization. Van Itallie, C. M., Gambling, T. M., Carson, J. L. and Anderson, J. M.
- 1437 Potentiation of neutrophil cyclooxygenase-2 by adenosine: an early anti-inflammatory signal. Cadieux, J.-S., Leclerc, P., St-Onge, M., Dussault, A.-A., Laflamme, C., Picard, S., Ledent, C., Borgeat, P. and Pouliot, M.
- 1449 A novel *Sry*-downstream cellular event which preserves the readily available energy source of glycogen in mouse sex differentiation. Matoba, S., Kanai, Y., Kidokoro, T., Kanai-Azuma, M., Kawakami, H., Hayashi, Y. and Kurohmaru, M.

Correspondence

- 1333 Exploited students? Mole

Cell Science at a Glance

- 1335 The nucleolus. Lam, Y. W., Trinkle-Mulcahy, L. and Lamond, A. I.

Women in Cell Science

- 1339 Fran Balkwill. Fiona Watt

Commentary

- 1341 Procollagen trafficking, processing and fibrillogenesis. Canty, E. G. and Kadler, K. E.

- 1461 Vinculin acts as a sensor in lipid regulation of adhesion-site turnover. Chandrasekar, I., Stradal, T. E. B., Holt, M. R., Entschladen, F., Jockusch, B. M. and Ziegler, W. H.
- 1473 Nuclear import of the histone acetyltransferase complex SAS-I in *Saccharomyces cerevisiae*. Schaper, S., Franke, J., Meijising, S. H. and Ehrenhofer-Murray, A. E.
- 1485 Importance of carbohydrate positioning in the recognition of mutated CPY for ER-associated degradation. Kostova, Z. and Wolf, D. H.
- 1493 Caveolin-1 mediates the expression and localization of cathepsin B, pro-urokinase plasminogen activator and their cell-surface receptors in human colorectal carcinoma cells. Cavallo-Medved, D., Mai, J., Dosecru, J., Sameni, M. and Sloane, B. F.
- 1505 Connexin interaction patterns in keratinocytes revealed morphologically and by FRET analysis. Di, W.-L., Gu, Y., Common, J. E. A., Aasen, T., O'Toole, E. A., Kelsell, D. P. and Zicha, D.
- 1515 Internalization and recycling of ALCAM/CD166 detected by a fully human single-chain recombinant antibody. Piazza, T., Cha, E., Bongarzone, I., Canevari, S., Bolognesi, A., Polito, L., Bargellesi, A., Sassi, F., Ferrini, S. and Fabbri, M.
- 1527 Myofilin, a protein in the thick filaments of insect muscle. Qiu, F., Brendel, S., Cunha, P. M. F., Astola, N., Song, B., Furlong, E. E. M., Leonard, K. R. and Bullard, B.
- 1537 WASP-related proteins, Abi1 and Ena/VASP are required for *Listeria* invasion induced by the Met receptor. Bierne, H., Miki, H., Innocenti, M., Scita, G., Gertler, F. B., Takenawa, T. and Cossart, P.