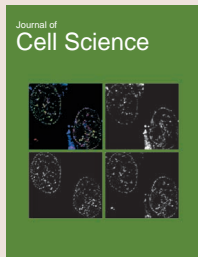


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Cover: Spatio-temporal interaction of the replication machinery with adjacent sets of DNA foci. Panels show light optical sections from the equatorial planes of two sister nuclei. Clockwise from top right: Cy5-, Cy3- and GFP-fluorescence, and merged image of all three (GFP, green; Cy3, red; Cy5, blue; red over green, yellow; red over blue, violet; merge of all three colours, white). The number of GFP-foci corresponds to the number of Cy3-labelled foci. See article by Sadoni et al. (pp. 5353-5365).

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Research Articles

- 5209 **Tetraspanin protein (TSP-15) is required for epidermal integrity in *Caenorhabditis elegans*.** Moribe, H., Yochem, J., Yamada, H., Tabuse, Y., Fujimoto, T. and Mekada, E.
- 5221 **Subnuclear distribution of the largest subunit of the human origin recognition complex during the cell cycle.** Lidonnici, M. R., Rossi, R., Paixão, S., Mendoza-Maldonado, R., Paolinelli, R., Arcangeli, C., Giacca, M., Biamonti, G. and Montecucco, A.
- 5233 **Mechanical stress induces profound remodelling of keratin filaments and cell junctions in *epidermolysis bullosa simplex* keratinocytes.** Russell, D., Andrews, P. D., James, J. and Lane, E. B.
- 5245 **Disruption of the cingulin gene does not prevent tight junction formation but alters gene expression.** Guillemot, L., Hammar, E., Kaister, C., Ritz, J., Caille, D., Jond, L., Bauer, C., Meda, P. and Citi, S.
- 5257 **Xin repeats define a novel actin-binding motif.** Pacholsky, D., Vakeel, P., Himmel, M., Löwe, T., Stradal, T., Rottner, K., Fürst, D. O. and van der Ven, P. F. M.
- 5269 **Tetraspanin CD82 controls the association of cholesterol-dependent microdomains with the actin cytoskeleton in T lymphocytes: relevance to co-stimulation.** Delaguillaumie, A., Harriague, J., Kohanna, S., Bismuth, G., Rubinstein, E., Seigneuret, M. and Conjeaud, H.
- 5283 **Increased importin- β -dependent nuclear import of the actin modulating protein CapG promotes cell invasion.** De Corte, V., Van Impe, K., Bruyneel, E., Boucherie, C., Mareel, M., Vandekerckhove, J. and Gettemans, J.
- 5293 **The GIN4 family kinase, Cdr2p, acts independently of septins in fission yeast.** Morrell, J. L., Nichols, C. B. and Gould, K. L.
- 5303 **Macroscopic folding and replication of the homogeneously staining region in late S phase leads to the appearance of replication bands in mitotic chromosomes.** Shimizu, N. and Shingaki, K.
- 5313 **Maternal UNC-45 is involved in cytokinesis and colocalizes with non-muscle myosin in the early *Caenorhabditis elegans* embryo.** Kachur, T., Ao, W., Berger, J. and Pilgrim, D.
- 5323 **p73 competes with co-activators and recruits histone deacetylase to NF-Y in the repression of PDGF β -receptor.** Uramoto, H., Wetterskog, D., Hackzell, A., Matsumoto, Y. and Funai, K.
- 5333 **Nuclear localisation of the G-actin sequestering peptide thymosin β_4 .** Huff, T., Rosorius, O., Otto, A. M., Müller, C. S. G., Ballweber, E., Hannappel, E. and Mannherz, H. G.
- 5343 **Caveolin-1 and MAL are located on prostasomes secreted by the prostate cancer PC-3 cell line.** Llorente, A., de Marco, M. C. and Alonso, M. A.
- 5353 **Stable chromosomal units determine the spatial and temporal organization of DNA replication.** Sadoni, N., Cardoso, M. C., Stelzer, E. H. K., Leonhardt, H. and Zink, D.
- 5367 **New sorting nexin (SNX27) and NHERF specifically interact with the 5-HT_{4(a)} receptor splice variant: roles in receptor targeting.** Joubert, L., Hanson, B., Barthelet, G., Sebben, M., Claeysen, S., Hong, W., Marin, P., Dumuis, A. and Bockeaert, J.
- 5381 **The novel mouse *connexin39* gene is expressed in developing striated muscle fibers.** von Maltzahn, J., Euwens, C., Willecke, K. and Söhl, G.
- 5393 **Skeletal muscle satellite cells can spontaneously enter an alternative mesenchymal pathway.** Shefer, G., Wleklinski-Lee, M. and Yablonka-Reuveni, Z.
- 5405 **$\alpha_4\beta_1$ - and $\alpha_6\beta_1$ -integrins are functional receptors for midkine, a heparin-binding growth factor.** Muramatsu, H., Zou1, P., Suzuki, H., Oda, Y., Chen, G.-Y., Sakaguchi, N., Sakuma, S., Maeda, N., Noda, M., Takada, Y. and Muramatsu, T.
- 5417 **Increased internalisation and degradation of GLT-1 glial glutamate transporter in a cell model for familial amyotrophic lateral sclerosis (ALS).** Vanoni, C., Massari, S., Losa, M., Carrega, P., Perego, C., Conforti, L. and Pietrini, G.
- 5427 ***Caenorhabditis elegans* UBC-2 functions with the anaphase-promoting complex but also has other activities.** Frazier, T., Shakes, D., Hota, U. and Boyd, L.
- 5437 **Demonstration of BACE (β -secretase) phosphorylation and its interaction with GGA1 in cells by fluorescence-lifetime imaging microscopy.** von Arnim, C. A. F., Tangredi, M. M., Peltan, I. D., Lee, B. M., Irizarry, M. C., Kinoshita, A. and Hyman, B. T.
- 5447 **Insulin but not PDGF relies on actin remodeling and on VAMP2 for GLUT4 translocation in myoblasts.** Török, D., Patel, N., JeBailey, L., Thong, F. S. L., Randhawa, V. K., Klip, A. and Rudich, A.

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