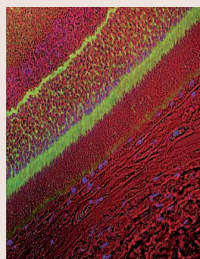


# Journal of Cell Science

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**Cover:** False-color confocal micrograph of rat retina showing immuno-staining for syntaxin 1A in green, nuclear stain in blue and differential interference contrast in red. Syntaxin 1A is expressed in the retinal pigment epithelium where it localizes to the apical plasma membrane (faint green layer). In addition, it is expressed in photoreceptor cells in which it is prominent in the inner segments (broad green layer) and the outer plexiform layer (narrow green layer) where the photoreceptors synapse with bipolar cells. For more information, see the article by Low et al., p. 4545 in this issue.

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## Research Articles

- 4413 **Localization of human DNA polymerase  $\kappa$  to replication foci.** Bergoglio, V., Bavoux, C., Verbiest, V., Hoffmann, J.-S. and Cazaux, C.
- 4419 **Retinoids induce lumen morphogenesis in mammary epithelial cells.** Montesano, R. and Soulié, W. S.
- 4433 **A developmentally regulated ARF-like 5 protein (ARL5), localized to nuclei and nucleoli, interacts with heterochromatin protein 1.** Lin, C.-Y., Li, C.-C., Huang, P.-H. and Lee, F.-J. S.
- 4447 ***Drosophila* syntaxin 16 is a Q-SNARE implicated in Golgi dynamics.** Xu, H., Boulianne, G. L. and Trimble, W. S.
- 4457 **The scaffolding domain of caveolin 2 is responsible for its Golgi localization in Caco-2 cells.** Breuza, L., Corby, S., Arsanto, J.-P., Delgrossi, M.-H., Scheiffele, P. and Le Bivic, A.
- 4469 **Transient association of titin and myosin with microtubules in nascent myofibrils directed by the MURF2 RING-finger protein.** Pizon, V., Iakovenko, A., van der Ven, P. F. M., Kelly, R., Fatu, C., Fürst, D. O., Karsenti, E. and Gautel, M.
- 4483 **Inactivation of  $G\alpha_z$  causes disassembly of the Golgi apparatus.** Nagahama, M., Usui, S., Shinohara, T., Yamaguchi, T., Tani, K. and Tagaya, M.
- 4495 **Signalling by glial cell line-derived neurotrophic factor (GDNF) requires heparan sulphate glycosaminoglycan.** Barnett, M. W., Fisher, C. E., Perona-Wright, G. and Davies, J. A.
- 4505 **E-cadherin-mediated interactions of thymic epithelial cells with CD103<sup>+</sup> thymocytes lead to enhanced thymocyte cell proliferation.** Kutleša, S., Wessels, J. T., Speiser, A., Steiert, I., Müller, C. A. and Klein, G.
- 4517 **Defects in keratinocyte activation during wound healing in the syndecan-1-deficient mouse.** Stepp, M. A., Gibson, H. E., Gala, P. H., Sta. Iglesia, D. D., Pajoohesh-Ganji, A., Pal-Ghosh, S., Brown, M., Aquino, C., Schwartz, A. M., Goldberger, O., Hinkes, M. T. and Bernfield, M.
- 4533 **Nuclear localisation of cytosolic phospholipase A<sub>2</sub>- $\alpha$  in the EA.hy.926 human endothelial cell line is proliferation dependent and modulated by phosphorylation.** Grewal, S., Morrison, E. E., Ponnambalam, S. and Walker, J. H.
- 4545 **Retinal pigment epithelial cells exhibit unique expression and localization of plasma membrane syntaxins which may contribute to their trafficking phenotype.** Low, S. H., Marmorstein, L. Y., Miura, M., Li, X., Kudo, N., Marmorstein, A. D. and Weimbs, T.
- 4555 **Phosphorylation activates Chk1 and is required for checkpoint-mediated cell cycle arrest.** Capasso, H., Palermo, C., Wan, S., Rao, H., John, U. P., O'Connell, M. J. and Walworth, N. C.
- 4565 **The CBEL glycoprotein of *Phytophthora parasitica* var. *nicotianae* is involved in cell wall deposition and adhesion to cellulosic substrates.** Gaulin, E., Jauneau, A., Villalba, F., Rickauer, M., Esquerré-Tugayé, M.-T. and Bottin, A.
- 4577 **Stem-loop binding protein accumulates during oocyte maturation and is not cell cycle-regulated in the early mouse embryo.** Allard, P., Champigny, M. J., Skoggard, S., Erkmann, J. A., Whitfield, M. L., Marzluff, W. F. and Clarke, H. J.
- 4587  **$\beta$ -Catenin is not required for proliferation and differentiation of epidermal mouse keratinocytes.** Posthaus, H., Williamson, L., Baumann, D., Kemler, R., Caldelari, R., Suter, M. M., Schwarz, H. and Müller, E.
- 4597 **The architecture of interphase chromosomes and gene positioning are altered by changes in DNA methylation and histone acetylation.** Santos, A. P., Abranches, R., Stoger, E., Beven, A., Viegas, W. and Shaw, P. J.
- 4607 **Loss of Rb overrides the requirement for ERK activity for cell proliferation.** D'Abaco, G. M., Hooper, S., Paterson, H. and Marshall, C. J.
- 4617 **Differentiation plasticity of chondrocytes derived from mouse embryonic stem cells.** Hegert, C., Kramer, J., Hargus, G., Müller, J., Guan, K., Wobus, A. M., Müller, P. K. and Rohwedel, J.
- 4629 **The small GTPase Rho3 and the diaphanous/formin For3 function in polarized cell growth in fission yeast.** Nakano, K., Imai, J., Arai, R., Toh-e, A., Matsui, Y. and Mabuchi, I.
- 4641 **Integrin  $\alpha 8\beta 1$  mediates adhesion to LAP-TGF $\beta$ 1.** Lu, M., Munger, J. S., Steadele, M., Busald, C., Tellier, M. and Schnapp, L. M.
- 4649 **Spatial regulation of actin dynamics: a tropomyosin-free, actin-rich compartment at the leading edge.** DesMarais, V., Ichetovkin, I., Condeelis, J. and Hitchcock-DeGregori, S. E.
- 4661 **RNA trafficking and stabilization elements associate with multiple brain proteins.** Snee, M., Kidd, G. J., Munro, T. P. and Smith, R.
- 4671 **Caspase-dependent initiation of apoptosis and necrosis by the Fas receptor in lymphoid cells: onset of necrosis is associated with delayed ceramide increase.** Hetz, C. A., Hunn, M., Rojas, P., Torres, V., Leyton, L. and Quest, A. F. G.
- 4685 **Chromosomal association of Ran during meiotic and mitotic divisions.** Hinkle, B., Slepchenko, B., Rolls, M. M., Walther, T. C., Stein, P. A., Mehlmann, L. M., Ellenberg, J. and Terasaki, M.
- 4695 **The postsynaptic density and dendritic raft localization of PSD-Zip70, which contains an N-myristoylation sequence and leucine-zipper motifs.** Konno, D., Ko, J.-A., Usui, S., Hori, K., Maruoka, H., Inui, M., Fujikado, T., Tano, Y., Suzuki, T., Tohyama, K. and Sobue, K.
- 4707 **The centrosome is a dynamic structure that ejects PCM flares.** Megraw, T. L., Kilaru, S., Turner, F. R. and Kaufman, T. C.
- 4719 **Author correction**



Movies available on-line