Contents:
The Journal of Cell Biology

Volume 125, Number 2, April 1994

225 **A GDP-bound form of Rab1 inhibits protein export from the endoplasmic reticulum and transport between Golgi compartments.**
C. Nuoffer, H. W. Davidson, J. Matteson, J. Meinkoth, and W. E. Balch

239 **Rab1 and Ca^{2+} are required for the fusion of carrier vesicles mediating endoplasmic reticulum to Golgi transport.**
S. N. Pind, C. Nuoffer, J. M. McCaffery, H. Plutner, H. W. Davidson, M. G. Farquhar, and W. E. Balch

253 **The TGN38 glycoprotein contains two non-overlapping signals that mediate localization to the *trans*-Golgi network.**
S. Ponnambalam, C. Rabouille, J. P. Luzio, T. Nilsson, and G. Warren

269 **COP-coated vesicles are involved in the mitotic fragmentation of Golgi stacks in a cell-free system.**
T. Misteli and G. Warren

283 **Role of three rab5-like GTPases, Ypt51p, Ypt52p, and Ypt53p, in the endocytic and vacuolar protein sorting pathways of yeast.**
B. Singer-Krüger, H. Stenmark, A. Düsterhöft, P. Philippsen, J.-S. Yoo, D. Gallwitz, and M. Zerial

299 **Regulated degradation of HMG-CoA reductase, an integral membrane protein of the endoplasmic reticulum, in yeast.**
R. Y. Hampton and J. Rine

313 **Targeting of the SF/HGF receptor to the basolateral domain of polarized epithelial cells.**
T. Crepaldi, A. L. Pollack, M. Prat, A. Zborek, K. Mostov, and P. M. Comoglio

321 **Characterization of polymer release from the flagellar pocket of *Leishmania mexicana* promastigotes.**
Y.-D. Stierhof, T. Ilg, D. G. Russell, H. Hohenberg, and P. Overath

333 **The requirements for glycosylphosphatidylinositol attachment are similar but not identical in mammalian cells and parasitic protozoa.**
P. Moran and I. W. Caras

345 **Dynamic properties of ankyrin in T lymphocytes: Colocalization with spectrin and protein kinase Cβ.**
C. C. Gregorio, E. A. Repasky, V. M. Fowler, and J. D. Black

359 **Overexpression of human fibroblast caldesmon fragment containing actin-, Ca^{++}/calmodulin-, and tropomyosin-binding domains stabilizes endogenous tropomyosin and microfilaments.**
K. S. Warren, J. L.-C. Lin, D. D. Wamboldt, and J. J.-C. Lin

369 ***Drosophila* singed, a fascin homolog, is required for actin bundle formation during oogenesis and bristle extension.**
K. Cant, B. A. Knowles, M. S. Mooseker, and L. Cooley

381 **Ultrastructure of the yeast actin cytoskeleton and its association with the plasma membrane.**
J. M. Mulholland, D. Preuss, A. Moon, A. Wong, D. Drubin, and D. Botstein

393 **Progesterone-dependent expression of keratinocyte growth factor mRNA in stromal cells of the primate endometrium: Keratinocyte growth factor as a progestomedin.**
T. Koji, M. Chedid, J. S. Rubin, O. D. Slayden, K. G. Csaky, S. A. Aaronson, and R. M. Brenner

403 **Apoptosis induced by inhibition of intercellular contact.**
R. C. Bates, A. Buret, D. F. van Helden, M. A. Horton, and G. F. Burns

417 **Differential induction of Pax genes by NGF and BDNF in cerebellar primary cultures.**
C. Kioussi and P. Gruss

Contents continued

Cover picture: *singed* bristles in *Drosophila* appear severely branched and curved due to a defect in supportive actin filament bundles. Scanning electron microscopy of a *singed* adult scutellar bristle illustrates the "ridges and grooves" pattern of the adult cuticle that represents placement of actin filament bundles during pupal bristle development. Wild type bristles are straight with parallel ridges and grooves the length of the bristle. In *singed* bristles, the ridges and grooves are highly disorganized and often intersect or fuse. See related article in this issue by Cant et al., 369–380.

427 **Expression of NCAM containing VASE in neurons can account for a developmental loss in their neurite outgrowth response to NCAM in a cellular substratum.**
J. L. Saffell, F. S. Walsh, and P. Doherty

437 **Ep-CAM: A human epithelial antigen is a homophilic cell–cell adhesion molecule.**
S. V. Litvinov, M. P. Velders, H. A. M. Bakker, G. J. Fleuren, and S. O. Warnaar

447 **Contrasting roles for integrin β_1 and β_5 cytoplasmic domains in subcellular localization, cell proliferation, and cell migration.**
R. Pasqualini and M. E. Hemler

461 **Membrane proximal cleavage of L-selectin: Identification of the cleavage site and a 6-kD transmembrane peptide fragment of L-selectin.**
J. Kahn, R. H. Ingraham, F. Shirley, G. I. Migaki, and T. K. Kishimoto

471 **Monospecific and common glycoprotein ligands for E- and P-selectin on myeloid cells.**
M. Lenter, A. Levinovitz, S. Isenmann, and D. Vestweber

483 **The distribution of tenascin-X is distinct and often reciprocal to that of tenascin-C.**
K. Matsumoto, Y. Saga, T. Ikemura, T. Sakakura, and R. Chiquet-Ehrismann

495 **BEHAB, a new member of the proteoglycan tandem repeat family of hyaluronan-binding proteins that is restricted to the brain.**
D. M. Jaworski, G. M. Kelly, and S. Hockfield