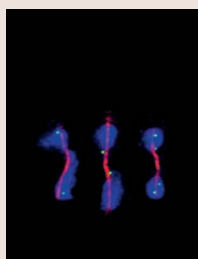


# Journal of Cell Science

Volume 115 (6) 2002



**Cover:** Anaphase in diploid budding yeast. tetO repeats are integrated at various chromosomal loci and detected by TetR-GFP (green). Anti-tubulin immunostaining of the spindle is shown in red. Centromere-near sites migrate at the front of the spindle (left), while telomere-near sites are trailing (middle). If both a centromere-near and a telomere-near tetO repeat are present, they migrate at corresponding positions (right). See article by J. Fuchs et al. (pp. 1213-1220).

[jcs.biologists.org](http://jcs.biologists.org)

## Research Articles

- 1113 **Cell-cycle-dependent localisation of Ulp1, a *Schizosaccharomyces pombe* Pmt3 (SUMO)-specific protease.** Taylor, D. L., Ho, J. C. Y., Oliver, A. and Watts, F. Z.
- 1123 **The Cdc42 and Rac1 GTPases are required for capillary lumen formation in three-dimensional extracellular matrices.** Bayless, K. J. and Davis, G. E.
- 1137 **Multi-parameter analysis of the kinetics of NF- $\kappa$ B signalling and transcription in single living cells.** Nelson, G., Paraoan, L., Spiller, D. G., Wilde, G. J. C., Browne, M. A., Djali, P. K., Unitt, J. F., Sullivan, E., Floettmann, E. and White, M. R. H.
- 1149 **Imaging of procollagen transport reveals COPI-dependent cargo sorting during ER-to-Golgi transport in mammalian cells.** Stephens, D. J. and Pepperkok, R.
- 1161 **Association of the tetraspanin CD151 with the laminin-binding integrins  $\alpha$ 3 $\beta$ 1,  $\alpha$ 6 $\beta$ 1,  $\alpha$ 6 $\beta$ 4 and  $\alpha$ 7 $\beta$ 1 in cells in culture and in vivo.** Sterk, L. M. T., Geuijen, C. A. W., van den Berg, J. G., Claessen, N., Weening, J. J. and Sonnenberg, A.
- 1175 **Mitochondrial oxidative stress and cell death in astrocytes – requirement for stored Ca<sup>2+</sup> and sustained opening of the permeability transition pore.** Jacobson, J. and Duchon, M. R.
- 1189 **Hepatocytes convert to a fibroblastoid phenotype through the cooperation of TGF- $\beta$ 1 and Ha-Ras: steps towards invasiveness.** Gotzmann, J., Huber, H., Thallinger, C., Wolschek, M., Jansen, B., Schulte-Hermann, R., Beug, H. and Mikulits, W.
- 1203 **Proprotein convertases are important mediators of the adipocyte differentiation of mouse 3T3-L1 cells.** Croissant, G., Basak, A., Seidah, N. G., Chrétien, M. and Mbikay, M.
- 1213 **Chromosome associations in budding yeast caused by integrated tandemly repeated transgenes.** Fuchs, J., Lorenz, A. and Loidl, J.
- 1221 **Dual labeling of the fibronectin matrix and actin cytoskeleton with green fluorescent protein variants.** Ohashi, T., Kiehart, D. P. and Erickson, H. P.
- 1231 **Microvilli-like structures are associated with the internalization of virulent capsulated *Neisseria meningitidis* into vascular endothelial cells.** Eugène, E., Hoffmann, I., Pujol, C., Couraud, P.-O., Bourdoulous, S. and Nassif, X.
- 1243 **A small RNA in testis and brain: implications for male germ cell development.** Muslimov, I. A., Lin, Y., Heller, M., Brosius, J., Zakeri, Z. and Tiedge, H.
- 1251 **Three-dimensional reconstruction of cytoplasmic membrane networks in parietal cells.** Duman, J. G., Pathak, N. J., Ladinsky, M. S., McDonald, K. L. and Forte, J. G.
- 1259 **Identification of septin-interacting proteins and characterization of the Smt3/SUMO-conjugation system in *Drosophila*.** Shih, H.-P., Hales, K. G., Pringle, J. R. and Peifer, M.
- 1273 **CEACAM1 isoforms with different cytoplasmic domains show different localization, organization and adhesive properties in polarized epithelial cells.** Sundberg, U. and Öbrink, B.
- 1285 **Muscle regeneration by reconstitution with bone marrow or fetal liver cells from green fluorescent protein-gene transgenic mice.** Fukada, S.-i., Miyagoe-Suzuki, Y., Tsukihara, H., Yuasa, K., Higuchi, S., Ono, S., Tsujikawa, K., Takeda, S. and Yamamoto, H.
- 1295 **p65-NF $\kappa$ B synergizes with Notch to activate transcription by triggering cytoplasmic translocation of the nuclear receptor corepressor N-CoR.** Espinosa, L., Santos, S., Inglés-Esteve, J., Muñoz-Canoves, P. and Bigas, A.
- 1305 **Dual regulation of telomerase activity through c-Myc-dependent inhibition and alternative splicing of hTERT.** Cerezo, A., Kalthoff, H., Schuermann, M., Schäfer, B. and Boukamp, P.
- 1313 **Activation of protein kinase C $\eta$  triggers cortical granule exocytosis in *Xenopus* oocytes.** Gundersen, C. B., Kohan, S. A., Chen, Q., Iagnemma, J. and Umbach, J. A.
- 1321 **Rab5a GTPase regulates fusion between pathogen-containing phagosomes and cytoplasmic organelles in human neutrophils.** Perskvist, N., Roberg, K., Kulyté, A. and Stendahl, O.
- 1331 **Cholesterol is important in control of EGF receptor kinase activity but EGF receptors are not concentrated in caveolae.** Ringerike, T., Blystad, F. D., Levy, F. O., Madshus, I. H. and Stang, E.

## Sticky Wicket

1093 **In (anonymous) support of anonymity.** Caveman

## Cell Science at a Glance

1095 **Notch: a membrane bound transcription factor.** Kopan, R.

## Commentaries

1099 **The PX domain: a new phosphoinositide-binding module.** Ellson, C. D., Andrews, S., Stephens, L. R. and Hawkins, P. T.

1107 **Gene discovery by e-genetics: *Drosophila* odor and taste receptors.** Kim, J. and Carlson, J. R.



Movies available on-line