

# Journal of Cell Science

Volume 121 (24) 2008



**Cover:** Arrested *S. pombe cdc10.v50* cells were subjected to osmotic shock and fixed 40, 60 or 120 minutes later. A mixture of cells from each time point was then stained using the cell-wall marker Calcofluor White; the image is pseudo-coloured green. See article by A. M. Robertson and I. M. Hagan (pp. 4055-4068).

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## Short Report

- 4001 **Different GPI-attachment signals affect the oligomerisation of GPI-anchored proteins and their apical sorting.** Paladino, S., Lebreton, S., Tivodar, S., Campana, V., Tempre, R. and Zurzolo, C.

## Research Articles

- 4008 **The adaptor complex AP-2 regulates post-endocytic trafficking through the non-clathrin Arf6-dependent endocytic pathway.** Lau, A. W. and Chou, M. M.
- 4018 **The nuclear lamina promotes telomere aggregation and centromere peripheral localization during senescence of human mesenchymal stem cells.** Raz, V., Vermolen, B. J., Garini, Y., Onderwater, J. J. M., Mommaas-Kienhuis, M. A., Koster, A. J., Young, I. T., Tanke, H. and Dirks, R. W.
- 4029 **AQP4 knockout impairs proliferation, migration and neuronal differentiation of adult neural stem cells.** Kong, H., Fan, Y., Xie, J., Ding, J., Sha, L., Shi, X., Sun, X. and Hu, G.
- 4037 **Nucleoplasmic mobilization of nucleostemin stabilizes MDM2 and promotes G2-M progression and cell survival.** Meng, L., Lin, T. and Tsai, R. Y. L.
- 4047 **The G1-S checkpoint in fission yeast is not a general DNA damage checkpoint.** Krohn, M., Skjølberg, H. C., Soltani, H., Grallert, B. and Boye, E.
- 4055 **Stress-regulated kinase pathways in the recovery of tip growth and microtubule dynamics following osmotic stress in *S. pombe*.** Robertson, A. M. and Hagan, I. M.
- 4069 **Molecular reorganization of Cx43, Zo-1 and Src complexes during the endocytosis of gap junction plaques in response to a non-genomic carcinogen.** Gilleron, J., Fiorini, C., Carette, D., Avondet, C., Falk, M. M., Segretain, D. and Pointis, G.
- 4079 **The ubiquitin-like modifier FAT10 interacts with HDAC6 and localizes to aggresomes under proteasome inhibition.** Kalveram, B., Schmidtke, G. and Groettrup, M.
- 4089 **EGFR-dependent migration of glial cells is mediated by reorganisation of N-cadherin.** Rappl, A., Piontek, G. and Schlegel, J.

## Sticky Wicket

- 3993 **A biomolecular carol II – scared Dickens-less. Mole**

## Cell Science at a Glance

- 3995 **Melanosomes at a glance.** Wasmeier, C., Hume, A. N., Bolasco, G. and Seabra, M. C.

- 4098 **p53 is localized to a sub-nucleolar compartment after proteasomal inhibition in an energy-dependent manner.** Karni-Schmidt, O., Zupnick, A., Castillo, M., Ahmed, A., Matos, T., Bouvet, P., Cordon-Cardo, C. and Prives, C.
- 4106 **Loss of SUMO1 in mice affects RanGAP1 localization and formation of PML nuclear bodies, but is not lethal as it can be compensated by SUMO2 or SUMO3.** Evdokimov, E., Sharma, P., Lockett, S. J., Lualdi, M. and Kuehn, M. R.
- 4114 **MOR1, the *Arabidopsis thaliana* homologue of *Xenopus* MAP215, promotes rapid growth and shrinkage, and suppresses the pausing of microtubules in vivo.** Kawamura, E. and Wasteneys, G. O.
- 4124 **Distinct roles of class IA PI3K isoforms in primary and immortalised macrophages.** Papakonstanti, E. A., Zwaenepoel, O., Bilancio, A., Burns, E., Nock, G. E., Houseman, B., Shokat, K., Ridley, A. J. and Vanhaesebroeck, B.
- 4134 **Identification of GW182 and its novel isoform TNGW1 as translational repressors in Ago2-mediated silencing.** Li, S., Lian, S. L., Moser, J. J., Fritzler, M. L., Fritzler, M. J., Satoh, M. and Chan, E. K. L.

## Erratum

- 4145 **Novel functions of the CD34 family.** Nielsen, J. S. and McNagny, K. M.