

Journal of Cell Science

jcs.biologists.org

Volume 123 (10) May 15, 2010



Cover: Phenotypes of wild-type (left), mutant (middle) and AtDJ-1a-YFP-overexpressing (right) transgenic plants grown under elevated light conditions. AtDJ-1a deficiency results in cell-death lesions, whereas elevated levels protect *Arabidopsis* against oxidative stress. See article by X. M. Xu et al. (pp. 1644–1651).

Sticky Wicket

1601 **The pretender.** Molette

Commentaries

1603 **Microvesicles: mediators of extracellular communication during cancer progression.** Muralidharan-Chari, V., Clancy, J. W., Sedgwick, A. and D'Souza-Schorey, C.

1613 **Adhesion molecules in the stem cell niche – more than just staying in shape?** ffrench-Constant, C., Kazanis, I., Moss, L., Long, K. and Marthiens, V.

Research Articles

1623 **APC16 is a conserved subunit of the anaphase-promoting complex/cyclosome.** Kops, G. J. P. L., van der Voet, M., Manak, M. S., van Osch, M. H. J., Naini, S. M., Brear, A., McLeod, I. X., Hentschel, D. M., Yates, J. R., III, van den Heuvel, S. and Shah, J. V.

1634 **Angiotensin-II-induced apoptosis requires regulation of nucleolin and Bcl-xL by SHP-2 in primary lung endothelial cells.** Lee, Y. H., Mungunsukh, O., Tutino, R. L., Marquez, A. P. and Day, R. M.

1644 **The *Arabidopsis* DJ-1a protein confers stress protection through cytosolic SOD activation.** Xu, X. M., Lin, H., Maple, J., Björkblom, B., Alves, G., Larsen, J. P. and Møller, S. G.

1652 **C3 peptide enhances recovery from spinal cord injury by improved regenerative growth of descending fiber tracts.** Boato, F., Hendrix, S., Huelsenbeck, S. C., Hofmann, F., Große, G., Djalali, S., Klimaschewski, L., Auer, M., Just, I., Ahnert-Hilger, G. and Höltje, M.

1663 **PAK4: a pluripotent kinase that regulates prostate cancer cell adhesion.** Wells, C. M., Whale, A. D., Parsons, M., Masters, J. R. W. and Jones, G. E.

1674 **MidA is a putative methyltransferase that is required for mitochondrial complex I function.** Carilla-Latorre, S., Gallardo, M. E., Annesley, S. J., Calvo-Garrido, J., Graña, O., Accari, S. L., Smith, P. K., Valencia, A., Garesse, R., Fisher, P. R. and Escalante, R.

1684 **BMP-9 induces proliferation of multiple types of endothelial cells in vitro and in vivo.** Suzuki, Y., Ohga, N., Morishita, Y., Hida, K., Miyazono, K. and Watabe, T.

1693 **Telomeric function of mammalian telomerases at short telomeres.** Fakhoury, J., Marie-Egyptienne, D. T., Londoño-Vallejo, J.-A. and Autexier, C.

1705 **Selective export of human GPI-anchored proteins from the endoplasmic reticulum.** Bonnon, C., Wendeler, M. W., Paccaud, J.-P. and Hauri, H.-P.

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MUC1 regulates nuclear localization and function of the epidermal growth factor receptor. Bitler, B. G., Goverdhan, A. and Schroeder, J. A.

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Cell speed, persistence and information transmission during signal relay and collective migration. McCann, C. P., Kriebel, P. W., Parent, C. A. and Losert, W.

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PH-domain-dependent selective transport of p75 by kinesin-3 family motors in non-polarized MDCK cells. Xue, X., Jaulin, F., Espenel, C. and Kreitzer, G.

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SNX18 shares a redundant role with SNX9 and modulates endocytic trafficking at the plasma membrane. Park, J., Kim, Y., Lee, S., Park, J. J., Park, Z. Y., Sun, W., Kim, H. and Chang, S.

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A new lock-step mechanism of matrix remodelling based on subcellular contractile events. Follonier Castella, L., Buscemi, L., Godbout, C., Meister, J.-J. and Hinz, B.

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The life of an mRNA in space and time. Ben-Ari, Y., Brody, Y., Kinor, N., Mor, A., Tsukamoto, T., Spector, D. L., Singer, R. H. and Shav-Tal, Y.

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Dynamic, inter-subunit interactions between the N-terminal and central mutation regions of cardiac ryanodine receptor. Liu, Z., Wang, R., Tian, X., Zhong, X., Gangopadhyay, J., Cole, R., Ikemoto, N., Chen, S. R. W. and Wagenknecht, T.

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The ciliary pocket: an endocytic membrane domain at the base of primary and motile cilia. Molla-Herman, A., Ghossoub, R., Blisnick, T., Meunier, A., Serres, C., Silbermann, F., Emmerson, C., Romeo, K., Bourdoncle, P., Schmitt, A., Saunier, S., Spassky, N., Bastin, P. and Benmerah, A.

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Response to BMP4 signalling during ES cell differentiation defines intermediates of the ectoderm lineage. Harvey, N. T., Hughes, J. N., Lonic, A., Yap, C., Long, C., Rathjen, P. D. and Rathjen, J.

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EP45 accumulates in growing *Xenopus laevis* oocytes and has oocyte-maturation-enhancing activity involved in oocyte quality. Marteil, G., D'Inca, R., Pascal, A., Guitton, N., Midtun, T., Goksøy, A., Richard-Parpaillon, L. and Kubiak, J. Z.

Erratum

Nano-topography sensing by osteoclasts. Geblinger, D., Addadi, L. and Geiger, B.

Author Correction

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C16 is a conserved subunit of the anaphase-promoting complex/cyclosome. Kops, G. J. P. L., van der Voet, M., Manak, M. S., van Osch, M. H. J., Naini, S. M., Brear, A., McLeod, I. X., Hentschel, D. M., Yates, J. R., III, van den Heuvel, S. and Shah, J. V.