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Cover: African trypanosomes are covered by a dense surface coat consisting of identical copies of a single variant surface glycoprotein (VSG), which is linked to the plasma membrane via a glycosyl-phosphatidylinositol membrane anchor. For details about membrane anchoring of the VSG molecule, see the article by X. Kang et al. (pp. 2529-2539). The image shows a pseudo-coloured trypanosome beside two erythrocytes (courtesy of M. Duszhenko and Eye of Science, Reutlingen, Germany).

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Research Articles

- 2465 **Involvement of protein phosphatase-1-mediated MARCKS translocation in myogenic differentiation of embryonic muscle cells.** Kim, S. S., Kim, J. H., Lee, S.-H., Chung, S. S., Bang, O.-S., Park, D. and Chung, C. H.
- 2475 **Distinct signals via Rho GTPases and Src drive shape changes by thrombin and sphingosine-1-phosphate in endothelial cells.** Vouret-Craviari, V., Bourcier, C., Boulter, E. and Van Obberghen-Schilling, E.
- 2485 **Involvement of ASIP/PAR-3 in the promotion of epithelial tight junction formation.** Hirose, T., Izumi, Y., Nagashima, Y., Tamai-Nagai, Y., Kurihara, H., Sakai, T., Suzuki, Y., Yamanaka, T., Suzuki, A., Mizuno, K. and Ohno, S.
- 2497 **RyR1 and RyR3 isoforms provide distinct intracellular Ca²⁺ signals in HEK 293 cells.** Rossi, D., Simeoni, I., Micheli, M., Bootman, M., Lipp, P., Allen, P. D. and Sorrentino, V.
- 2505 **The exosome pathway in K562 cells is regulated by Rab11.** Savina, A., Vidal, M. and Colombo, M. I.
- 2517 **Herpes simplex virus type 2 UL14 gene product has heat shock protein (HSP)-like functions.** Yamauchi, Y., Wada, K., Goshima, F., Daikoku, T., Ohtsuka, K. and Nishiyama, Y.
- 2529 **GPI anchor transamidase of *Trypanosoma brucei*: in vitro assay of the recombinant protein and VSG anchor exchange.** Kang, X., Szallies, A., Rawer, M., Echner, H. and Duszhenko, M.
- 2541 **Influence of the centrosome in cytokinesis of brown algae: polyspermic zygotes of *Scytosiphon lomentaria* (Scytosiphonales, Phaeophyceae).** Nagasato, C. and Motomura, T.
- 2549 **Mechanisms for targeting of the *Saccharomyces cerevisiae* GPI-anchored cell wall protein Crh2p to polarised growth sites.** Rodriguez-Peña, J. M., Rodriguez, C., Alvarez, A., Nombela, C. and Arroyo, J.
- 2559 **Mice overexpressing placenta growth factor exhibit increased vascularization and vessel permeability.** Odorisio, T., Schietroma, C., Zaccaria, M. L., Cianfarani, F., Tiveron, C., Tatangelo, L., Failla, C. M. and Zambruno, G.
- 2569 **Rho-dependent and -independent activation mechanisms of ezrin/radixin/moesin proteins: an essential role for polyphosphoinositides in vivo.** Yonemura, S., Matsui, T., Tsukita, S. and Tsukita, S.
- 2581 **Trimers of the fibronectin cell adhesion domain localize to actin filament bundles and undergo rearward translocation.** Coussen, F., Choquet, D., Sheetz, M. P. and Erickson, H. P.
- 2591 **Ras induces NBT-II epithelial cell scattering through the coordinate activities of Rac and MAPK pathways.** Edme, N., Downward, J., Thiery, J.-P. and Boyer, B.
- 2603 **Mediators of innate immune recognition of bacteria concentrate in lipid rafts and facilitate lipopolysaccharide-induced cell activation.** Triantafilou, M., Miyake, K., Golenbock, D. T. and Triantafilou, K.

Sticky Wicket

2453 **How to publish in your favorite journal.** Cavewoman Anaya

Cell Science at a Glance

2457 **Signalling pathways in oocyte meiotic maturation.** Schmitt, A. and Nebreda, A. R.

Commentary

2461 **From Cdc2 to Cdk1: when did the cell cycle kinase join its cyclin partner?** Dorée, M. and Hunt, T.

Author Corrections

- 2613 **The T-box transcription factor *Brachyury* mediates cartilage development in mesenchymal stem cell line C3H10T1/2.** Hoffmann, A., Czichos, S., Kaps, C., Bachner, D., Mayer, H., Zilberman, Y., Turgeman, G., Pelled, G., Gross, G. and Gazit, D.
- 2615 **Association of the tetraspanin CD151 with the laminin-binding integrins $\alpha3\beta1$, $\alpha6\beta1$, $\alpha6\beta4$ and $\alpha7\beta1$ 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.