# Cell Science

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Cover: Epithelial stem/progenitor cells isolated from the fetal human liver in cell culture. The cells were stained for glycogen content (magenta) and exhibit anchorage-dependent growth on tissue culture plastic along with a characteristic tendency to heap on one another. For more information see Malhi et al. on pp. 2679-2688.

## Sticky Wicket

2617 An invitation for a seminar - a conspiracy theory. Caveman

# Cell Science at a Glance

2619 Molecular evolution of the actin family. Goodson, H. V. and Hawse, W. F.

#### **Book Reviews**

- 2623 Principles of Development, 2nd edn, by L. Wolpert, R. Beddington, T. Jessell, P. Lawrence, E. Meyero witz and J. Smith. Martinez Arias, A.
- 2624 Progress in Molecular and Subcellular Biology: Protein Degradation in Health and Disease, by M. Reboud-Ravaux. Robinson, P. A.

# Commentary

2627 Vesicle tethering complexes in membrane traffic. Whyte, J. R. C. and Munro, S.

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### **Research Articles**

- 2639 Hyperproliferation, induction of c-Myc and 14-3-3σ, but no cell fragility in keratin-10-null mice. Reichelt, J. and Magin, T. M
- 2651 Compartmentation of enzymes in a microbody, the glycosome, is essential in *Trypanosoma brucei*. Guerra-Giraldez, C., Quijada, L. and Clayton, C. E.
- 2659 Midkine, a heparin-binding growth factor, promotes growth and glycosaminoglycan synthesis of endothelial cells through its action on smooth muscle cells in an artificial blood vessel model. Sumi, Y., Muramatsu, H., Takei, Y., Hata, K.-I., Ueda, M. and Muramatsu, T.
- 2669 Role of the β1-integrin cytoplasmic tail in mediating invasinpromoted internalization of *Yersinia*. Gustavsson, A., Armulik, A., Brakebusch, C., Fässler, R., Johansson, S. and Fällman, M.
- 2679 Isolation of human progenitor liver epithelial cells with extensive replication capacity and differentiation into mature hepatocytes. Malhi, H., Irani, A. N., Gagandeep, S. and Gupta, S.
- 2689 Cas, Fak and Pyk2 function in diverse signaling cascades to promote Yersinia uptake. Bruce-Staskal, P.-J., Weidow, C. L., Gibson, J. J. and Bouton, A. H.
- 2701 Tristetraprolin and LPS-inducible CXC chemokine are rapidly induced in presumptive satellite cells in response to skeletal muscle injury. Sachidanandan, C., Sambasivan, R. and Dhawan, J.
- 2713 Downregulated AP-1 activity is associated with inhibition of Protein-Kinase-C-dependent CD44 and ezrin localisation and upregulation of PKC theta in A431 cells. Stapleton, G., Malliri, A. and Ozanne, B. W.
- 2725 NBD-labeled phosphatidylcholine enters the yeast vacuole via the pre-vacuolar compartment. Hanson, P. K., Grant, A. M. and Nichols, J. W.
- 2735 Expression of BRG1, a human SWI/SNF component, affects the organisation of actin filaments through the RhoA signalling pathway. Asp, P., Wihlborg, M., Karlén, M. and Östlund Farrants, A.-K.

- 2747 Alterations in the lens capsule contribute to cataractogenesis in SPARC-null mice. Yan, Q., Clark, J. I., Wight, T. N. and Sage, F. H.
- 2757 Apoptotic crosstalk of TNF receptors: TNF-R2-induces depletion of TRAF2 and IAP proteins and accelerates TNF-R1-dependent activation of caspase-8. Fotin-Mleczek, M., Henkler, F., Samel, D., Reichwein, M., Hausser, A., Parmryd, I., Scheurich, P., Schmid, J. A. and Wajant, H.
- 2771 Regulation of S33/S37 phosphorylated β-catenin in normal and transformed cells. Sadot, E., Conacci-Sorrell, M., Zhurinsky, J., Shnizer, D., Lando, Z., Zharhary, D., Kam, Z., Ben-Ze'ev, A. and Geiger, B.
- 2781 Cell adhesion differentially regulates the nucleocytoplasmic distribution of active MAP kinases. Aplin, A. E., Hogan, B. P., Tomeu, J. and Juliano, R. L.
- 2791 Ca<sup>2+</sup>-induced changes in SNAREs and synaptotagmin I correlate with triggered exocytosis from chromaffin cells: insights gleaned into the signal transduction using trypsin and botulinum toxins. Lawrence, G. W. and Dolly, J. O.