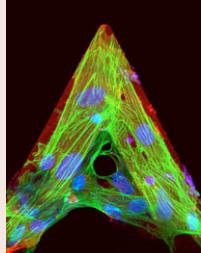


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**Cover:** Fibrogenic myofibroblasts grown for 24 hours on the probe cantilever (red) of an atomic force microscope develop stress fibres that stain positive for  $\alpha$ -smooth-muscle actin (green) – just as do myofibroblasts grown on standard culture surfaces. See article by P. Pittet et al. (pp. 877-886).

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## Research Articles

- 753 **Signal-dependent export of GABA transporter 1 from the ER-Golgi intermediate compartment is specified by a C-terminal motif.** Farhan, H., Reiterer, V., Kriz, A., Hauri, H.-P., Pavelka, M., Sitte, H. H. and Freissmuth, M.
- 762  **$\text{Ca}^{2+}$ -store-dependent and-independent reversal of Stim1 localization and function.** Smyth, J. T., DeHaven, W. I., Bird, G. S. and Putney, J. W., Jr
- 773 **LRP1 controls biosynthetic and endocytic trafficking of neuronal prion protein.** Parkyn, C. J., Vermeulen, E. G. M., Mootoosamy, R. C., Sunyach, C., Jacobsen, C., Oxvig, C., Moestrup, S., Liu, Q., Bu, G., Jen, A. and Morris, R. J.
- 784 **Extracellular matrix retention of thrombospondin 1 is controlled by its conserved C-terminal region.** Adams, J. C., Bentley, A. A., Kvansakul, M., Hatherley, D. and Hohenester, E.
- 796 **Regulation of PI3K signalling by the phosphatidylinositol transfer protein PITP $\alpha$  during axonal extension in hippocampal neurons.** Cosker, K. E., Shadan, S., van Diepen, M., Morgan, C., Li, M., Allen-Baume, V., Hobbs, C., Doherty, P., Cockcroft, S. and Eickholt, B. J.
- 804 **The PKC $\delta$ -Abl complex communicates ER stress to the mitochondria – an essential step in subsequent apoptosis.** Qi, X. and Mochly-Rosen, D.
- 814 **G $\alpha$ 12 regulates protein interactions within the MDCK cell tight junction and inhibits tight-junction assembly.** Sabath, E., Negoro, H., Beaudry, S., Paniagua, M., Angelow, S., Shah, J., Grammatikakis, N., Yu, A. S. L. and Denker, B. M.
- 825 **Stress-induced recruitment of epiplakin to keratin networks increases their resistance to hyperphosphorylation-induced disruption.** Spazierer, D., Raberger, J., Groß, K., Fuchs, P. and Wiche, G.
- 834 **Distinct endocytic recycling of myelin proteins promotes oligodendroglial membrane remodeling.** Winterstein, C., Trotter, J. and Krämer-Albers, E.-M.
- 843 **Chemical genetic analysis of the regulatory role of Cdc2p in the *S. pombe* septation initiation network.** Dischinger, S., Krapp, A., Xie, L., Paulson, J. R. and Simanis, V.
- 854 **IKAP localizes to membrane ruffles with filamin A and regulates actin cytoskeleton organization and cell migration.** Johansen, L. D., Naumanen, T., Knudsen, A., Westerlund, N., Gromova, I., Juntila, M., Nielsen, C., Böttzauw, T., Tolkovsky, A., Westermarck, J., Coffey, E. T., Jäättelä, M. and Kallunki, T.
- 865 **Quantitative live-cell analysis of microtubule-uncoupled cargo-protein sorting in the ER.** Dukhovny, A., Papadopoulos, A. and Hirschberg, K.
- 877 **Fibrogenic fibroblasts increase intercellular adhesion strength by reinforcing individual OB-cadherin bonds.** Pittet, P., Lee, K., Kulik, A. J., Meister, J.-J. and Hinz, B.
- 887 **The dynamics of fluorescently labeled endogenous *gurken* mRNA in *Drosophila*.** Jaramillo, A. M., Weil, T. T., Goodhouse, J., Gavis, E. R. and Schupbach, T.
- 895 **FAK, PDZ-RhoGEF and ROCKII cooperate to regulate adhesion movement and trailing-edge retraction in fibroblasts.** Iwanicki, M. P., Vomastek, T., Tilghman, R. W., Martin, K. H., Banerjee, J., Wedegaertner, P. B. and Parsons, J. T.
- 906 **Mechanism of *PHERES1* imprinting in *Arabidopsis*.** Makarevich, G., Villar, C. B. R., Erilova, A. and Köhler, C.
- 913 **L- and S-endoglin differentially modulate TGF $\beta$ 1 signaling mediated by ALK1 and ALK5 in L $_6$ E myoblasts.** Velasco, S., Alvarez-Muñoz, P., Pericacho, M., ten Dijke, P., Bernabéu, C., López-Novoa, J. M. and Rodríguez-Barbero, A.

## Commentaries

- 727 **Cadherin switching.** Wheelock, M. J., Shintani, Y., Maeda, M., Fukumoto, Y. and Johnson, K. R.
- 737 **Beyond Wnt inhibition: new functions of secreted Frizzled-related proteins in development and disease.** Bovolenta, P., Esteve, P., Ruiz, J. M., Cisneros, E. and Lopez-Rios, J.

## Short Report

- 747 **Grainy head promotes expression of septate junction proteins and influences epithelial morphogenesis.** Narasimha, M., Uv, A., Krejci, A., Brown, N. H. and Bray, S. J.