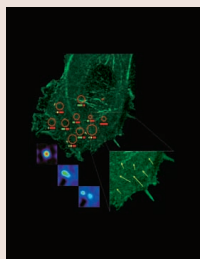


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Cover: Dynamic image correlation microscopy (ICM) data from a CHO K1 cell expressing α -actinin-GFP. Circles represent on average how far molecules diffuse in 10 minutes, and coloured bars show the fraction of proteins that are diffusing (red), flowing (yellow) or immobile (green) for regions of the cell. The magnified region shows a velocity map of α -actinin as the cell retracts and an adhesion disassembles. The three images to the left show spatial-temporal correlation functions calculated during a flow process. See article by P. W. Wiseman et al. (pp. 5521-5534).

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- 5489 **The C-terminal domain LLKIL motif of CXCR2 is required for ligand-mediated polarization of early signals during chemotaxis.** Sai, J., Fan, G.-H., Wang, D. and Richmond, A.
- 5497 **Elongation of centriolar microtubule triplets contributes to the formation of the mitotic spindle in γ -tubulin-depleted cells.** Raynaud-Messina, B., Mazzolini, L., Moisan, A., Cirinesi, A.-M. and Wright, M.
- 5509 **The rotavirus surface protein VP8 modulates the gate and fence function of tight junctions in epithelial cells.** Nava, P., López, S., Arias, C. F., Islas, S. and González-Mariscal, L.
- 5521 **Spatial mapping of integrin interactions and dynamics during cell migration by Image Correlation Microscopy.** Wiseman, P. W., Brown, C. M., Webb, D. J., Hebert, B., Johnson, N. L., Squier, J. A., Ellisman, M. H. and Horwitz, A. F.
- 5535 **Bcr (breakpoint cluster region) protein binds to PDZ-domains of scaffold protein PDZK1 and vesicle coat protein Mint3.** Malmberg, E. K., Andersson, C. X., Gentzsch, M., Chen, J. H., Mengos, A., Cui, L., Hansson, G. C. and Riordan, J. R.
- 5543 **The p150-Glued Ssm4p regulates microtubular dynamics and nuclear movement in fission yeast.** Niccoli, T., Yamashita, A., Nurse, P. and Yamamoto, M.
- 5557 **Suppression of *Nek2A* in mouse early embryos confirms its requirement for chromosome segregation.** Sonn, S., Khang, I., Kim, K. and Rhee, K.
- 5567 **GW182 is critical for the stability of GW bodies expressed during the cell cycle and cell proliferation.** Yang, Z., Jakymiw, A., Wood, M. R., Eystathioy, T., Rubin, R. L., Fritzler, M. J. and Chan, E. K. L.
- 5579 **Nuclear efflux of heterogeneous nuclear ribonucleoprotein C1/C2 in apoptotic cells: a novel nuclear export dependent on Rho-associated kinase activation.** Lee, H.-H., Chien, C.-L., Liao, H.-K., Chen, Y.-J. and Chang, Z.-F.
- 5591 **Inhibition of PrP^{Sc} formation by lentiviral gene transfer of PrP containing dominant negative mutations.** Crozet, C., Lin, Y.-L., Mettling, C., Mourton-Gilles, C., Corbeau, P., Lehmann, S. and Perrier, V.
- 5599 **Contribution of JAM-1 to epithelial differentiation and tight-junction biogenesis in the mouse preimplantation embryo.** Thomas, F. C., Sheth, B., Eckert, J. J., Bazzoni, G., Dejana, E. and Fleming, T. P.
- 5609 **RXR α acts as a carrier for TR3 nuclear export in a 9-cis retinoic acid-dependent manner in gastric cancer cells.** Lin, X.-F., Xhao, B.-X., Chen, H.-Z., Ye, X.-F., Yang, C.-Y., Zhou, H.-Y., Zhang, M.-Q., Lin, S.-C. and Wu, Q.
- 5623 **Fkh2p and Sep1p regulate mitotic gene transcription in fission yeast.** Buck, V., Ng, S. S., Ruiz-Garcia, A. B., Papadopoulou, K., Bhatti, S., Samuel, J. M., Anderson, M., Millar, J. B. A. and McInerney, C. J.
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- 5655 **In vivo contribution of murine mesenchymal stem cells into multiple cell-types under minimal damage conditions.** Anjos-Afonso, F., Siapati, E. K. and Bonnet, D.
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