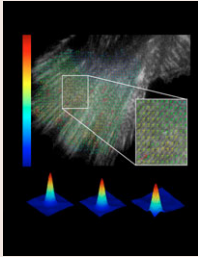


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Cover: Velocity maps of α -actinin retrograde movement in a MEF cell calculated by STICS analysis. Velocities range from 0 $\mu\text{m}/\text{minute}$ (blue) to 0.9 $\mu\text{m}/\text{minute}$ (red). Three spatial-temporal correlation functions showing movement of the correlation peak due to protein movement. See article by Brown et al. (pp. 5204-5214).

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- 5047 **The Cdi/TESK1 kinase is required for Sevenless signaling and epithelial organization in the *Drosophila* eye.** Sesé, M., Corominas, M., Stocker, H., Heino, T. I., Hafen, E. and Serras, F.
- 5057 **Essential roles for cohesin in kinetochore and spindle function in *Xenopus* egg extracts.** Deehan Kenney, R. and Heald, R.
- 5067 **An unexpected role for keratin 10 end domains in susceptibility to skin cancer.** Chen, J., Cheng, X., Merched-Sauvage, M., Caulin, C., Roop, D. R. and Koch, P. J.
- 5077 **Integrity of all four transmembrane domains of the tetraspanin uroplakin 1b is required for its exit from the ER.** Tu, L., Kong, X.-P., Sun, T.-T. and Kreibich, G.
- 5087 **Plant G protein heterotrimers require dual lipidation motifs of $G\alpha$ and $G\gamma$ and do not dissociate upon activation.** Adjobo-Hermans, M. J. W., Goedhart, J. and Gadella, T. W. J., Jr
- 5098 **Functional interaction between the ZO-1-interacting transcription factor ZONAB/DbpA and the RNA processing factor symplekin.** Kavanagh, E., Buchert, M., Tsapara, A., Choquet, A., Balda, M. S., Hollande, F. and Matter, K.
- 5106 **PDZRN3 (LNX3, SEMCAP3) is required for the differentiation of C2C12 myoblasts into myotubes.** Ko, J.-A., Kimura, Y., Matsuura, K., Yamamoto, H., Gondo, T. and Inui, M.
- 5114 **Ex vivo treatment with nitric oxide increases mesoangioblast therapeutic efficacy in muscular dystrophy.** Sciorati, C., Galvez, B. G., Brunelli, S., Tagliafico, E., Ferrari, S., Cossu, G. and Clementi, E.
- 5124 **Multiple controls regulate nucleostemin partitioning between nucleolus and nucleoplasm.** Meng, L., Yasumoto, H. and Tsai, R. Y. L.
- 5137 **Werner syndrome protein participates in a complex with RAD51, RAD54, RAD54B and ATR in response to ICL-induced replication arrest.** Otterlei, M., Bruheim, P., Ahn, B., Bussen, W., Karmakar, P., Baynton, K. and Bohr, V. A.
- 5147 **Periplakin-dependent re-organisation of keratin cytoskeleton and loss of collective migration in keratin-8-downregulated epithelial sheets.** Long, H. A., Boczonadi, V., McInroy, L., Goldberg, M. and Määttä, A.

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5007 **Fake! Part II. Mole**

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- 5031 **When intracellular logistics fails – genetic defects in membrane trafficking.** Olkkonen, V. M. and Ikonen, E.

- 5160 **Localization of agonist-sensitive PtdIns(3,4,5) P_3 reveals a nuclear pool that is insensitive to PTEN expression.** Lindsay, Y., McCoull, D., Davidson, L., Leslie, N. R., Fairservice, A., Gray, A., Lucocq, J. and Downes, C. P.
- 5169 **Cadherin-2 participates in the morphogenesis of the zebrafish inner ear.** Babb-Clendenon, S., Shen, Y., Liu, Q., Turner, K. E., Mills, M. S., Cook, G. W., Miller, C. A., Gattone, V. H., II, Barald, K. F. and Marrs, J. A.
- 5178 **Ccr4 contributes to tolerance of replication stress through control of CRTI mRNA poly(A) tail length.** Woolstencroft, R. N., Beilharz, T. H., Cook, M. A., Preiss, T., Durocher, D. and Tyers, M.
- 5193 **Acute downregulation of connexin43 at wound sites leads to a reduced inflammatory response, enhanced keratinocyte proliferation and wound fibroblast migration.** Mori, R., Power, K. T., Wang, C. M., Martin, P. and Becker, D. L.
- 5204 **Probing the integrin-actin linkage using high-resolution protein velocity mapping.** Brown, C. M., Hebert, B., Kolin, D. L., Zareno, J., Whitmore, L., Horwitz, A. R. and Wiseman, P. W.

Erratum

- 5215 **Werner syndrome protein participates in a complex with RAD51, RAD54, RAD54B and ATR in response to ICL-induced replication arrest.** Otterlei, M., Bruheim, P., Ahn, B., Bussen, W., Karmakar, P., Baynton, K. and Bohr, V. A.