



Cover: Structured illumination microscopy (SIM) image shows overlay of nuclear speckles (green) and chromatin stained by DAPI (blue) and 7-aminoactinomycin D (red) after transcriptional inhibition. Increased size of chromatin-poor channels temporally correlates with speckle movements and fusion. See article by Jiah Kim et al. (jcs.226563).

FIRST PERSON

First person – Anahi Capmany
jcs232512

First person – Mathias Cobbaut and Ahmed Elbediwy
jcs231928

First person – Tiina Viita
jcs232520

First person – Jiah Kim
jcs232041

CELL SCIENCE AT A GLANCE

The plant stomatal lineage at a glance
Lee, L. R. and Bergmann, D. C.
jcs228551

REVIEWS

Mitochondrial stress-dependent regulation of cellular protein synthesis
Topf, U., Uszczynska-Ratajczak, B. and Chacinska, A.
jcs226258

Supracellular migration – beyond collective cell migration
Shellard, A. and Mayor, R.
jcs226142

SHORT REPORTS

The Rho family GEF FARP2 is activated by aPKC ϵ to control tight junction formation and polarity
Elbediwy, A., Zhang, Y., Cobbaut, M., Riou, P., Tan, R. S., Roberts, S. K., Tynan, C., George, R., Kjaer, S., Martin-Fernandez, M. L., Thompson, B. J., McDonald, N. Q. and Parker, P. J.
jcs223743

Genome-wide identification of alternative splicing events that regulate protein transport across the secretory pathway
Neumann, A., Schindler, M., Olofsson, D., Wilhelmi, I., Schürmann, A. and Heyd, F.
jcs230201

RESEARCH ARTICLES

MYO1C stabilizes actin and facilitates the arrival of transport carriers at the Golgi complex
Capmany, A., Yoshimura, A., Kerdous, R., Caorsi, V., Lescure, A., Del Nery, E., Coudrier, E., Goud, B. and Schauer, K.
jcs225029

β 1D integrin splice variant stabilizes integrin dynamics and reduces integrin signaling by limiting paxillin recruitment
Soto-Ribeiro, M., Kastberger, B., Bachmann, M., Azizi, L., Fouad, K., Jacquier, M.-C., Boettiger, D., Bouvard, D., Bastmeyer, M., Hytönen, V. P. and Wehrle-Haller, B.
jcs224493

Multiple feedback mechanisms fine-tune Rho signaling to regulate morphogenetic outcomes
Ong, K., Collier, C. and DiNardo, S.
jcs224378

Nuclear speckle fusion via long-range directional motion regulates speckle morphology after transcriptional inhibition
Kim, J., Han, K. Y., Khanna, N., Ha, T. and Belmont, A. S.
jcs226563

Nuclear actin interactome analysis links actin to KAT14 histone acetyl transferase and mRNA splicing
Viita, T., Kyheröinen, S., Prajapati, B., Virtanen, J., Frilander, M. J., Varjosalo, M. and Vartiainen, M. K.
jcs226852

The juvenility-associated long noncoding RNA *Gm14230* maintains cellular juvenescence
Tano, A., Kadota, Y., Morimune, T., Jam, F. A., Yukiue, H., Bellier, J.-P., Sokoda, T., Maruo, Y., Tooyama, I. and Mori, M.
jcs227801

Troponin-I mediates the localization of selected apico-basal cell polarity signaling proteins
Casas-Tintó, S. and Ferrús, A.
jcs225243

Nr5a1 suppression during the murine fetal period optimizes ovarian development by fine-tuning Notch signaling
Nomura, R., Kashimada, K., Suzuki, H., Zhao, L., Tsuji-Hosokawa, A., Yagita, H., Takagi, M., Kanai, Y., Bowles, J., Koopman, P., Kanai-Azuma, M. and Morio, T.
jcs223768

TOOLS AND RESOURCES

Reliable imaging of ATP in living budding and fission yeast
Takaine, M., Ueno, M., Kitamura, K., Imamura, H. and Yoshida, S.
jcs230649

CORRECTION

Correction: SIRT2 regulates NF- κ B-dependent gene expression through deacetylation of p65 Lys310 (doi:10.1242/jcs.073783)
Rothgiesser, K. M., Erener, S., Waibel, S., Lüscher, B. and Hottiger, M. O.
jcs232801