



Cover: Retinal pigment epithelial (RPE-1) cell on a crossbow-shaped micropattern. It was fixed with paraformaldehyde and immunostained with primary antibodies against α -actinin (green) and fluorescently labelled phalloidin (magenta) to reveal actin filaments. See article by F. Senger et al. (jcs236604).

FIRST PERSON

First person – Fabrice Senger
jcs241570

CELL SCIENCE AT A GLANCE

The liquid nucleome – phase transitions in the nucleus at a glance
Strom, A. R. and Brangwynne, C. P.
jcs235093

REVIEW

Multiscale dynamics of tight junction remodeling
Varadarajan, S., Stephenson, R. E. and Miller, A. L.
jcs229286

SHORT REPORTS

A homeostatic mechanism rapidly corrects aberrant nucleocytoplasmic ratios maintaining nuclear size in fission yeast
Cantwell, H. and Nurse, P.
jcs235911

Yap induces osteoblast differentiation by modulating Bmp signalling during zebrafish caudal fin regeneration
Brandão, A. S., Bensimon-Brito, A., Lourenço, R., Borbinha, J., Rosa Soares, A., Mateus, R. and Jacinto, A.
jcs231993

MICAL-L1 coordinates ciliogenesis by recruiting EHD1 to the primary cilium
Xie, S., Farmer, T., Naslavsky, N. and Caplan, S.
jcs233973

RESEARCH ARTICLES

Condensin II protein dysfunction impacts mitochondrial respiration and mitochondrial oxidative stress responses
Deutschman, E., Ward, J. R., Kumar, A., Ray, G., Welch, N., Lemieux, M. E., Dasarathy, S. and Longworth, M. S.
jcs233783

Two conserved glycine residues in mammalian and *Dictyostelium* Rictor are required for mTORC2 activity and integrity
Pergolizzi, B., Panuzzo, C., Ali, M. S., Lo Iacono, M., Levra Levron, C., Ponzzone, L., Prelli, M., Cilloni, D., Calautti, E., Bozzaro, S. and Bracco, E.
jcs236505

Role for the splicing factor TCERG1 in Cajal body integrity and snRNP assembly
Moreno-Castro, C., Prieto-Sánchez, S., Sánchez-Hernández, N., Hernández-Munain, C. and Suñé, C.
jcs232728

Vac8 spatially confines autophagosome formation at the vacuole in *S. cerevisiae*
Hollenstein, D. M., Gómez-Sánchez, R., Ciftci, A., Kriegenburg, F., Mari, M., Torggler, R., Licheva, M., Reggiori, F. and Kraft, C.
jcs235002

Spatial integration of mechanical forces by α -actinin establishes actin network symmetry
Senger, F., Pitaval, A., Ennomani, H., Kurzawa, L., Blanchoin, L. and Théry, M.
jcs236604