



**Cover:** Epifluorescence image showing the *Giardia lamblia* microtubule cytoskeleton in a CRISPRi knockdown of the disc-associated protein DAP5188. The microtubule cytoskeleton, including the ventral disc, eight flagella and median body, is visualised in the knockdown strain through expression of mNeonGreen-tagged  $\beta$ -tubulin (green). See article by C. Nosala et al. (jcs227355).

## STICKY WICKET

Toxic! III

Mole

jcs249912

## FIRST PERSON

First person – Tanja Mang

jcs253005

First person – Thibault Legal

jcs251926

First person – Andri Christodoulou

jcs252684

## MEETING REPORT

Meeting report – NSF-sponsored workshop ‘Progress and Prospects of Single-Molecule Force Spectroscopy in Biological and Chemical Sciences’

**Marszalek, P. E. and Oberhauser, A. F.**

jcs251421

## CELL SCIENCE AT A GLANCE

Mammalian stress granules and P bodies at a glance

**Riggs, C. L., Kedersha, N., Ivanov, P. and Anderson, P.**

jcs242487

Membrane trafficking in the retinal pigment epithelium  
at a glance

**Storm, T., Burgoyne, T. and Futter, C. E.**

jcs238279

## REVIEW

Diverse cellular functions of barrier-to-autointegration factor and its roles in disease

**Sears, R. M. and Roux, K. J.**

jcs246546

## RESEARCH ARTICLES

The atypical Rho GTPase RhoU interacts with intersectin-2 to regulate endosomal recycling pathways

**Gubar, O., Croisé, P., Kropyvko, S., Gryaznova, T., Tóth, P., Blangy, A., Vitale, N., Ryndtch, A., Gasman, S. and Ory, S.**

jcs234104

Disc-associated proteins mediate the unusual hyperstability of the ventral disc in *Giardia lamblia*

**Nosala, C., Hagen, K. D., Hilton, N., Chase, T. M., Jones, K., Loudermilk, R., Nguyen, K. and Dawson, S. C.**

jcs227355

Mammalian copper homeostasis requires retromer-dependent recycling of the high-affinity copper transporter 1

**Curnock, R. and Cullen, P. J.**

jcs249201

The lncRNA MEG3 mediates renal cell cancer progression by regulating ST3Gal1 transcription and EGFR sialylation

**Gong, A., Zhao, X., Pan, Y., Qi, Y., Li, S., Huang, Y., Guo, Y., Qi, X., Zheng, W. and Jia, L.**

jcs244020

Lymphocytes perform reverse adhesive haptotaxis mediated by LFA-1 integrins

**Luo, X., Seveau de Noray, V., Aoun, L., Biarnes-Pelicot, M., Strale, P.-O., Studer, V., Valignat, M.-P. and Theodoly, O.**

jcs242883

The C-terminal helix of BubR1 is essential for CENP-E-dependent chromosome alignment

**Legal, T., Hayward, D., Gluszek-Kustusz, A., Blackburn, E. A., Spanos, C., Rappaport, J., Gruneberg, U. and Welburn, J. P. I.**

jcs246025

BMPR1A is necessary for chondrogenesis and osteogenesis, whereas BMPR1B prevents hypertrophic differentiation

**Mang, T., Kleinschmidt-Doerr, K., Ploeger, F., Schoenemann, A., Lindemann, S. and Gigout, A.**

jcs246934

The Na<sup>+</sup> pump Ena1 is a yeast epsin-specific cargo requiring its ubiquitylation and phosphorylation sites for internalization

**Sen, A., Hsieh, W.-C., Hanna, C. B., Hsu, C.-C., Pearson, M. II, Tao, W. A. and Aguilar, R. C.**

jcs245415

TMEM147 interacts with lamin B receptor, regulates its localization and levels, and affects cholesterol homeostasis

**Christodoulou, A., Maimaris, G., Makrigiorgi, A., Charidemou, E., Lüchtenborg, C., Verteris, A., Georgiou, R., Lederer, C. W., Haffner, C., Brügger, B. and Santama, N.**

jcs245357

The structure and symmetry of the radial spoke protein complex in *Chlamydomonas* flagella

**Poghosyan, E., Iacovache, I., Faltova, L., Leitner, A., Yang, P., Diener, D. R., Aebersold, R., Zuber, B. and Ishikawa, T.**

jcs245233

Pex24 and Pex32 are required to tether peroxisomes to the ER for organelle biogenesis, positioning and segregation in yeast

**Wu, F., de Boer, R., Krikken, A. M., Akşit, A., Bordin, N., Devos, D. P. and van der Klei, I. J.**

jcs246983