



Cover: Cilia and basal bodies in a *Tetrahymena thermophila* cell. Immunofluorescence image of a wild-type *T. thermophila* cell stained for cilia (yellow, α -tubulin) and basal bodies (cyan, centrin). See article by A. D. Junker et al. (jcs233726).

STICKY WICKET

Margin of Error
Mole
jcs235499

FIRST PERSON

First person – Anna Bajur
jcs236976

First person – Takuro Tojima
jcs236380

First person – Yuejiao Ma
jcs236356

First person – Ameer Elaimy
jcs236372

MEETING REPORT

Meeting Report – The 2019 FEBS special meeting on sphingolipid biology: sphingolipids in physiology and pathology
D'Angelo, G., Clarke, C. J. and Silva, L. C.
jcs235705

HYPOTHESIS

The conserved ancestral signaling pathway from cilium to nucleus
Satir, P. and Satir, B. H.
jcs230441

SHORT REPORT

Colocation of Tpm3.1 and myosin IIa heads defines a discrete subdomain in stress fibres
Meiring, J. C. M., Bryce, N. S., Lastra Cagigas, M., Benda, A., Whan, R. M., Ariotti, N., Parton, R. G., Stear, J. H., Hardeman, E. C. and Gunning, P. W.
jcs228916

RESEARCH ARTICLES

TNAP limits TGF- β -dependent cardiac and skeletal muscle fibrosis by inactivating the SMAD2/3 transcription factors
Arnò, B., Galli, F., Roostalu, U., Aldeiri, B. M., Miyake, T., Albertini, A., Bragg, L., Prehar, S., McDermott, J. C., Cartwright, E. J. and Cossu, G.
jcs234948

Microtubule glycylation promotes attachment of basal bodies to the cell cortex
Junker, A. D., Soh, A. W. J., O'Toole, E. T., Meehl, J. B., Guha, M., Winey, M., Honts, J. E., Gaertig, J. and Pearson, C. G.
jcs233726

Parcas is the predominant Rab11-GEF for rhodopsin transport in *Drosophila* photoreceptors
Otsuka, Y., Satoh, T., Nakayama, N., Inaba, R., Yamashita, H. and Satoh, A. K.
jcs231431

Cytocortex-dependent dynamics of *Drosophila* Crumbs controls junctional stability and tension during germ band retraction
Bajur, A. T., Iyer, K. V. and Knust, E.
jcs228338

Spatiotemporal dissection of the *trans*-Golgi network in budding yeast
Tojima, T., Suda, Y., Ishii, M., Kurokawa, K. and Nakano, A.
jcs231159

CHIR-99021 regulates mitochondrial remodelling via β -catenin signalling and miRNA expression during endodermal differentiation
Ma, Y., Ma, M., Sun, J., Li, W., Li, Y., Guo, X. and Zhang, H.
jcs229948

Extracellular Hsp90 α and clusterin synergistically promote breast cancer epithelial-to-mesenchymal transition and metastasis via LRP1
Tian, Y., Wang, C., Chen, S., Liu, J., Fu, Y. and Luo, Y.
jcs228213

Acylpeptide hydrolase is a novel regulator of KRAS plasma membrane localization and function
Tan, L., Cho, K.-J., Kattan, W. E., Garrido, C. M., Zhou, Y., Neupane, P., Capon, R. J. and Hancock, J. F.
jcs232132

TOOLS AND RESOURCES

Real-time imaging of integrin β 4 dynamics using a reporter cell line generated by Crispr/Cas9 genome editing
Elaimy, A. L., Wang, M., Sheel, A., Brown, C. W., Walker, M. R., Amante, J. J., Xue, W., Chan, A., Baer, C. E., Goel, H. L. and Mercurio, A. M.
jcs231241