



Cover: Winning image, 'Trippy Tension Turtle Tailing Treats', from the one-year anniversary FocalPlane image competition held in July 2021 taken by Tejeshwar Rao, postdoctoral fellow at Mattheyses Research Group, UAB School of Medicine, Birmingham, Alabama, USA. The image is an artistically rendered montage of HUVECs plated on a multiplex Tension Gauge Tether (TGT) surface (12+56 pN). The glow edges depict the tension generated following probe opening with growth factor stimulation, captured using total internal reflection fluorescence microscopy.

FIRST PERSON

First person – Zhong-Qiu Yu
jcs259413

First person – Craig Barcus
jcs259412

First person – Ajay Singh
jcs259361

First person – Anne Janssen
jcs259359

CELL SCIENTISTS TO WATCH

Cell scientist to watch – Yasin Daggas
jcs259377

PERSPECTIVE

The Autophagy, Inflammation and Metabolism Center international eSymposium – an early-career investigators' seminar series during the COVID-19 pandemic
Nieto-Torres, J. L., Durgan, J., Franco-Romero, A., Grumati, P., Guardia, C. M., Leidal, A. M., Mandell, M. A., Towers, C. G. and Wang, F.
jcs259268

REVIEW

Managing risky assets – mitophagy *in vivo*
Narendra, D. P.
jcs240465

SHORT REPORT

Downregulation of the Tem1 GTPase by Amn1 after cytokinesis involves both nuclear import and SCF-mediated degradation
Devault, A. and Piatti, S.
jcs258972

RESEARCH ARTICLES

Tyrosine kinase-independent actions of DDR2 in tumor cells and cancer-associated fibroblasts influence tumor invasion, migration and metastasis
Barcus, C. E., Hwang, P. Y., Morikis, V., Brenot, A., Pence, P., Clarke, M. and Longmore, G. D.
jcs258431

A cell-based drug discovery assay identifies inhibition of cell stress responses as a new approach to treatment of epidermolysis bullosa simplex
Tan, T. S., Common, J. E. A., Lim, J. S. Y., Badowski, C., Firdaus, M. J., Leonardi, S. S. and Lane, E. B.
jcs258409

The TPR- and J-domain-containing proteins DJC31 and DJC62 are involved in abiotic stress responses in *Arabidopsis thaliana*
Dittmer, S., Kleine, T. and Schwenkert, S.
jcs259032

Fission yeast TOR complex 1 phosphorylates Psk1 through an evolutionarily conserved interaction mediated by the TOS motif
Morozumi, Y., Hishinuma, A., Furusawa, S., Sofyantoro, F., Tatebe, H. and Shiozaki, K.
jcs258865

Visual detection of binary, ternary and quaternary protein interactions in fission yeast using a Pil1 co-tethering assay
Yu, Z.-Q., Liu, X.-M., Zhao, D., Xu, D.-D. and Du, L.-L.
jcs258774

Local DNA synthesis is critical for DNA repair during oocyte maturation
Singh, A. K., Kumar, S. L., Beniwal, R., Mohanty, A., Kushwaha, B. and Rao, H. B. D. P.
jcs257774

Cdc42 reactivation at growth sites is regulated by local cell-cycle-dependent loss of its GTPase-activating protein Rga4 in fission yeast
Rich-Robinson, J., Russell, A., Mancini, E. and Das, M.
jcs259291

AAGAB is an assembly chaperone regulating AP1 and AP2 clathrin adaptors
Wan, C., Crisman, L., Wang, B., Tian, Y., Wang, S., Yang, R., Datta, I., Nomura, T., Li, S., Yu, H., Yin, Q. and Shen, J.
jcs258587

TOOLS AND RESOURCES

Imaging of retina cellular and subcellular structures usingptychographic hard X-ray tomography
Panneels, V., Diaz, A., Imsand, C., Guizar-Sicairos, M., Müller, E., Bittermann, A. G., Ishikawa, T., Menzel, A., Kaech, A., Holler, M., Grimm, C. and Schertler, G.
jcs258561

Direct observation of aggregate-triggered selective autophagy in human cells
Janssen, A. F. J., Korsten, G., Nijenhuis, W., Katrukha, E. A. and Kapitein, L. C.
jcs258824

Python-Microscope – a new open-source Python library for the control of microscopes
Susano Pinto, D. M., Phillips, M. A., Hall, N., Mateos-Langerak, J., Stoychev, D., Susano Pinto, T., Booth, M. J., Davis, I. and Dobbie, I. M.
jcs258955