



Cover: Internalized α -synuclein (AS) fibrils (red) in BV2 microglial cells (green). A dead microglial cell that released its content is shown in blue. This material is potentially toxic and could contribute to cellular damage or protein spreading to neighbouring cells. The consequences of AS uptake in glial cells is poorly understood. See article by Bussi et al. (jcs226241).

FIRST PERSON

First person – Zhe-Long Jin
jcs227496

First person – Catherine (Cathy) Cheng
jcs226837

First person – Yuqing Xia and Ning Huang
jcs227843

First person – Claudio Bussi
jcs226779

REVIEW

Endocytosis in proliferating, quiescent and terminally differentiated cells
Hinze, C. and Boucrot, E.
jcs216804

SHORT REPORTS

Biphasic recruitment of TRF2 to DNA damage sites promotes non-sister chromatid homologous recombination repair
Kong, X., Cruz, G. M. S., Trinh, S. L., Zhu, X.-D., Berns, M. W. and Yokomori, K.
jcs219311

Cytokine exocytosis and JAK/STAT activation in the *Drosophila* ovary requires the vesicle trafficking regulator α -Snap
Saadin, A. and Starz-Gaiano, M.
jcs217638

RESEARCH ARTICLES

Parallel signaling pathways regulate excitable dynamics differently to mediate pseudopod formation during eukaryotic chemotaxis
Tanabe, Y., Kamimura, Y. and Ueda, M.
jcs214775

Role of G-proteins and phosphorylation in the distribution of AGS3 to cell puncta
Vural, A., Fadillioglu, E., Kelesoglu, F., Ma, D. and Lanier, S. M.
jcs216507

Elongated mitochondrial constrictions and fission in muscle fatigue
Lavorato, M., Loro, E., Debattisti, V., Khurana, T. S. and Franzini-Armstrong, C.
jcs221028

CAP1-mediated actin cycling via ADF/cofilin proteins is essential for asymmetric division in mouse oocytes
Jin, Z.-L., Jo, Y.-J., Namgoong, S. and Kim, N.-H.
jcs222356

CCDC102B functions in centrosome linker assembly and centrosome cohesion
Xia, Y., Huang, N., Chen, Z., Li, F., Fan, G., Ma, D., Chen, J. and Teng, J.
jcs222901

Localization of all four ZnT zinc transporters in *Dictyostelium* and impact of ZntA and ZntB knockout on bacteria killing
Barisch, C., Kalinina, V., Lefrançois, L. H., Appiah, J., López-Jiménez, A. T. and Soldati, T.
jcs222000

Alpha-synuclein fibrils recruit TBK1 and OPTN to lysosomal damage sites and induce autophagy in microglial cells
Bussi, C., Peralta Ramos, J. M., Arroyo, D. S., Gallea, J. I., Ronchi, P., Kolovou, A., Wang, J. M., Florey, O., Celej, M. S., Schwab, Y., Ktistakis, N. T. and Iribarren, P.
jcs226241

Tropomyosin 3.5 protects the F-actin networks required for tissue biomechanical properties
Cheng, C., Nowak, R. B., Amadeo, M. B., Biswas, S. K., Lo, W.-K. and Fowler, V. M.
jcs222042

Soluble α -synuclein facilitates priming and fusion by releasing Ca^{2+} from the thapsigargin-sensitive Ca^{2+} pool in PC12 cells
Huang, C.-C., Chiu, T.-Y., Lee, T.-Y., Hsieh, H.-J., Lin, C.-C. and Kao, L.-S.
jcs213017

Hepatocyte-like cells reveal novel role of SERPINA1 in transthyretin amyloidosis
Niemietz, C., Fleischhauer, L., Sandfort, V., Guttmann, S., Zibert, A. and Schmidt, H. H.-J.
jcs219824