



Cover: An artist's rendition of the Chinese mythical creature Nezha (CAMSAP3) holding a fire-tipped spear (katanin p60) in his right hand to conquer (cut) the dragon king (microtubules). Image by GuangWei Shen. See article by C. Dong et al. (pp. 1709–1715).

CELL SCIENTISTS TO WATCH

- 1689 Cell scientist to watch – Melike Lakadamyali

COMMENTARIES

- 1691 Multiple activities of Arl1 GTPase in the trans-Golgi network
Yu, C.-J. and Lee, F.-J. S.
- 1701 Citron kinase – renaissance of a neglected mitotic kinase
D'Avino, P. P.

SHORT REPORT

- 1709 CAMSAP3 accumulates in the pericentrosomal area and accompanies microtubule release from the centrosome via katanin
Dong, C., Xu, H., Zhang, R., Tanaka, N., Takeichi, M. and Meng, W.

RESEARCH ARTICLES

- 1717 Nuclear α -catenin mediates the DNA damage response via β -catenin and nuclear actin
Serebryanny, L. A., Yemelyanov, A., Gottardi, C. J. and de Lanerolle, P.
- 1730 Non-canonical activity of the podosomal formin FMNL1 γ supports immune cell migration
Miller, M. R., Miller, E. W. and Blystone, S. D.
- 1740 Unphosphorylated STAT1 represses apoptosis in macrophages during *Mycobacterium tuberculosis* infection
Yao, K., Chen, Q., Wu, Y., Liu, F., Chen, X. and Zhang, Y.
- 1752 Spatial distribution and molecular dynamics of dystrophin glycoprotein components at the neuromuscular junction *in vivo*
Aittaleb, M., Martinez-Pena y Valenzuela, I. and Akaaboune, M.
- 1760 The PP2A^{B56} phosphatase promotes the association of Cdc20 with APC/C in mitosis
Lee, S. J., Rodriguez-Bravo, V., Kim, H., Datta, S. and Foley, E. A.

- 1772 Multiple roles of integrin- α 3 at the neuromuscular junction
Ross, J. A., Webster, R. G., Lechertier, T., Reynolds, L. E., Turmaine, M., Bencze, M., Jamshidi, Y., Cetin, H., Muntoni, F., Beeson, D., Hodilvala-Dilke, K. and Conti, F. J.
- 1785 Mroh1, a lysosomal regulator localized by WASH-generated actin
Thomason, P. A., King, J. S. and Insall, R. H.
- 1796 Unr defines a novel class of nucleoplasmic reticulum involved in mRNA translation
Saltel, F., Giese, A., Azzi, L., Elatmani, H., Costet, P., Ezzoukhry, Z., Dugot-Senant, N., Miquerol, L., Bousadia, O., Wodrich, H., Dubus, P. and Jacquemin-Sablon, H.
- 1809 The MgcRacGAP SxIP motif tethers Centralspindlin to microtubule plus ends in *Xenopus laevis*
Brenzau, E. B., Murt, M., Blasius, T. L., Verhey, K. J. and Miller, A. L.
- 1822 Compositionally distinct nuclear pore complexes of functionally distinct dimorphic nuclei in the ciliate *Tetrahymena*
Iwamoto, M., Osakada, H., Mori, C., Fukuda, Y., Nagao, K., Obuse, C., Hiraoka, Y. and Haraguchi, T.
- 1835 TSSK6 is required for γ H2AX formation and the histone-to-protamine transition during spermiogenesis
Jha, K. N., Tripurani, S. K. and Johnson, G. R.

TOOLS AND TECHNIQUES

- 1845 Microtubule organization within mitotic spindles revealed by serial block face scanning electron microscopy and image analysis
Nixon, F. M., Honnor, T. R., Clarke, N. I., Starling, G. P., Beckett, A. J., Johansen, A. M., Brettschneider, J. A., Prior, I. A. and Royle, S. J.

PUBLISHER'S NOTE

- 1856 Publisher's Note – Relating to the retraction of: Oxidative stress inactivates VEGF survival signaling in retinal endothelial cells via PI 3-kinase tyrosine nitration. Azza B. El-Remessy, Manuela Bartoli, Danial H. Platt, David Fulton, Ruth B. Caldwell. *J. Cell Sci.* doi:10.1242/jcs.195966
Way, M.