



**Cover:** From top left down each column, electron micrograph of a subsarcolemmal mitochondrion at 100,000 × magnification and images obtained by applying a mirror filter with an increasing number of reflection planes (0, top left; 1, center left; 3, bottom left; 5, top center; 7, center; 10, bottom center; 12, top right; 15, center right; and 20, bottom right). See article by E. Loro et al. (jcs218313).

## EDITORIAL

Parlez vous immunology?

**Way, M. (Editor-in-Chief)**

jcs226043

## FIRST PERSON

First person – Ana Romarowski

jcs226332

First person – Shouying Xu

jcs226308

First person – Gillian Johnson

jcs226357

First person – Varisa Pongrakhananon

jcs226324

First person – Lorna Young

jcs226340

## HYPOTHESIS

Mechanical forces on cellular organelles

**Feng, Q. and Kornmann, B.**

jcs218479

## REVIEW

p62/SQSTM1 – steering the cell through health and disease

**Sánchez-Martín, P. and Komatsu, M.**

jcs222836

## RESEARCH ARTICLES

Mesenchymal stem cell mechanotransduction is cAMP dependent and regulated by adenylyl cyclase 6 and the primary cilium

**Johnson, G. P., Stavenschi, E., Eichholz, K. F.,**

**Corrigan, M. A., Fair, S. and Hoey, D. A.**

jcs222737

Super-resolution imaging of live sperm reveals dynamic changes of the actin cytoskeleton during acrosomal exocytosis

**Romarowski, A., Velasco Félix, Á. G., Torres Rodríguez, P.,**

**Gervasi, M. G., Xu, X., Luque, G. M., Contreras-Jiménez, G.,**

**Sánchez-Cárdenas, C., Ramírez-Gómez, H. V., Krapf, D.,**

**Visconti, P. E., Krapf, D., Guerrero, A., Darszon, A.**

**and Buffone, M. G.**

jcs218958

ADAP is an upstream regulator that precedes SLP-76 at sites of TCR engagement and stabilizes signaling microclusters

**Lewis, J. B., Scangarello, F. A., Murphy, J. M., Eidell, K. P., Sodipo, M. O., Ophir, M. J., Sargeant, R., Seminario, M.-C. and Bunnell, S. C.**

jcs215517

Rab34 small GTPase is required for Hedgehog signaling and an early step of ciliary vesicle formation in mouse

**Xu, S., Liu, Y., Meng, Q. and Wang, B.**

jcs213710

TM9SF4 levels determine sorting of transmembrane domains in the early secretory pathway

**Vernay, A., Lamrabet, O., Perrin, J. and Cosson, P.**

jcs220830

Mechanisms of integrin  $\alpha V\beta 5$  clustering in flat clathrin lattices

**Zuidema, A., Wang, W., Kreft, M., te Molder, L., Hoekman, L., Bleijerveld, O. B., Nahidiazar, L., Janssen, H. and Sonnenberg, A.**

jcs221317

Mitochondrial ultrastructural adaptations in fast muscles of mice lacking IL15RA

**Loro, E., Bisetto, S. and Khurana, T. S.**

jcs218313

Roles for Ena/VASP proteins in FMNL3-mediated filopodial assembly

**Young, L. E., Latario, C. J. and Higgs, H. N.**

jcs220814

CD151 regulates expression of FGFR2 in breast cancer cells via PKC-dependent pathways

**Sadej, R., Lu, X., Turczyk, L., Novitskaya, V.,**

**Lopez-Clavijo, A. F., Kordek, R., Potemski, P.,**

**Wakelam, M. J. O., Romanska-Knight, H.**

**and Berditchevski, F.**

jcs220640

Loss of CAMSAP3 promotes EMT via the modification of microtubule–Akt machinery

**Pongrakhananon, V., Wattanathamsan, O., Takeichi, M.,**

**Chetprayoon, P. and Chanvorachote, P.**

jcs216168