



**Cover:** A confocal image of COS cells co-expressing HA-tagged CTTNBP2 (red) and the Myc-tagged Mid domain of CTTNBP2 (green). The HA-tagged CTTNBP2 associates with microtubules (blue) and induces microtubule bundling. See article by P.-Y. Shih et al. (pp. 3521–3534).

**STICKY WICKET**

3399 It's a big world out there  
X-Gal

**COMMENTARIES**

3401 Signalling at tight junctions during epithelial differentiation and microbial pathogenesis  
Zihni, C., Balda, M. S. and Matter, K.

3415 The dynamic protein Knl1 – a kinetochore rendezvous  
Ghongane, P., Kapanidou, M., Asghar, A., Elowe, S. and Bolanos-Garcia, V. M.

**SHORT REPORTS**

3425 PKA-regulated VASP phosphorylation promotes extrusion of transformed cells from the epithelium  
Anton, K. A., Sinclair, J., Ohoka, A., Kajita, M., Ishikawa, S., Benz, P. M., Renne, T., Balda, M., Jorgensen, C., Matter, K. and Fujita, Y.

3434 Procentriole assembly without centriole disengagement – a paradox of male gametogenesis  
Gottardo, M., Callaini, G. and Riparbelli, M. G.

**RESEARCH ARTICLES**

3440 Displacement of p130Cas from focal adhesions links actomyosin contraction to cell migration  
Machiyama, H., Hirata, H., Loh, X. K., Kanchi, M. M., Fujita, H., Tan, S. H., Kawachi, K. and Sawada, Y.

3451 The stoichiometry of scaffold complexes in living neurons – DLC2 functions as a dimerization engine for GKAP  
Moutin, E., Compan, V., Raynaud, F., Clerté, C., Bouquier, N., Labesse, G., Ferguson, M. L., Fagni, L., Royer, C. A. and Perroy, J.

3463 Rassf5 and Ndr kinases regulate neuronal polarity through Par3 phosphorylation in a novel pathway  
Yang, R., Kong, E., Jin, J., Hergovich, A. and Püschel, A. W.

3477  $\sigma$ 1B adaptin regulates adipogenesis by mediating the sorting of sortilin in adipose tissue  
Baltes, J., Larsen, J. V., Radhakrishnan, K., Geumann, C., Kratzke, M., Petersen, C. M. and Schu, P.

3488 A specific subset of E2 ubiquitin-conjugating enzymes regulate Parkin activation and mitophagy differently  
Fiesel, F. C., Moussaud-Lamodière, E. L., Ando, M. and Springer, W.

3505 Phosphorylation of nucleoporin Tpr governs its differential localization and is required for its mitotic function  
Rajanala, K., Sarkar, A., Jhingan, G. D., Priyadarshini, R., Jalan, M., Sengupta, S. and Nandicoori, V. K.

3521 Cortactin-binding protein 2 increases microtubule stability and regulates dendritic arborization  
Shih, P.-Y., Lee, S.-P., Chen, Y.-K. and Hsueh, Y.-P.

3535 Myosin VI mediates the movement of NHE3 down the microvillus in intestinal epithelial cells  
Chen, T., Hubbard, A., Murtazina, R., Price, J., Yang, J., Cha, B., Sarker, R. and Donowitz, M.

3546 Proteomic analysis reveals a FANCA-modulated neddylation pathway involved in CXCR5 membrane targeting and cell mobility  
Renaudin, X., Guervilly, J.-H., Aoufouchi, S. and Rosselli, F.

3555 Multivariate signaling regulation by SHP2 differentially controls proliferation and therapeutic response in glioma cells  
Furcht, C. M., Buonato, J. M., Skuli, N., Mathew, L. K., Muñoz Rojas, A. R., Simon, M. C. and Lazzara, M. J.

3568 The BAG-1 isoform BAG-1M regulates keratin-associated Hsp70 chaperoning of aPKC in intestinal cells during activation of inflammatory signaling  
Mashukova, A., Kozhekbaeva, Z., Forteza, R., Dulam, V., Figueroa, Y., Warren, R. and Salas, P. J.

3578 Aciculin interacts with filamin C and Xin and is essential for myofibril assembly, remodeling and maintenance  
Molt, S., Bührdel, J. B., Yakovlev, S., Schein, P., Orfanos, Z., Kirfel, G., Winter, L., Wiche, G., van der Ven, P. F. M., Rottbauer, W., Just, S., Belkin, A. M. and Fürst, D. O.

3593 Cytoplasmic dynein pushes the cytoskeletal meshwork forward during axonal elongation  
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3603 A nuclear ubiquitin-proteasome pathway targets the inner nuclear membrane protein Asi2 for degradation  
Boban, M., Pantazopoulou, M., Schick, A., Ljungdahl, P. O. and Foisner, R.

3614 Stepwise and cooperative assembly of a cytokinetic core complex in *Saccharomyces cerevisiae*  
Tian, C., Wu, Y. and Johnsson, N.

3625 The KASH protein Kms2 coordinates mitotic remodeling of the spindle pole body  
Wälde, S. and King, M. C.