



Cover: Confocal image of an A7r5 vascular smooth muscle cell treated with a phorbol ester, PDBu, in order to activate protein kinase C and induce podosome formation. The cell is immunostained for tubulin (green), actin (phalloidin, blue) and kinesin KIF1C (red). KIF1C accumulates in actin-rich podosomes in the cellular lamella. Transport of KIF1C to the cell periphery requires the CLASP microtubule-associated proteins and is essential for podosome formation. See article by N. Efimova et al. (pp. 5179–5188).

COMMENTARIES

- 5127 Epithelial cell division – multiplying without losing touch
Le Bras, S. and Le Borgne, R.
- 5139 Flotillins in intercellular adhesion – from cellular physiology to human diseases
Bodin, S., Planchon, D., Rios Morris, E., Comunale, F. and Gauthier-Rouvière, C.

SHORT REPORTS

- 5149 TRAIP is a regulator of the spindle assembly checkpoint
Chapard, C., Meraldi, P., Gleich, T., Bachmann, D., Hohl, D. and Huber, M.
- 5157 Nuclear actin and myocardin-related transcription factors control disuse muscle atrophy through regulation of Srf activity
Collard, L., Herledan, G., Pincini, A., Guerci, A., Randrianarison-Huetz, V. and Sotiropoulos, A.

RESEARCH ARTICLES

- 5164 Clustered PI(4,5)P₂ accumulation and ezrin phosphorylation in response to CLIC5A
Al-Momany, A., Li, L., Alexander, R. T. and Ballermann, B. J.
- 5179 Podosome-regulating kinesin KIF1C translocates to the cell periphery in a CLASP-dependent manner
Efimova, N., Grimaldi, A., Bachmann, A., Frye, K., Zhu, X., Feoktistov, A., Straube, A. and Kaverina, I.
- 5189 CLIC4 regulates cell adhesion and β 1 integrin trafficking
Argenzio, E., Margadant, C., Leyton-Puig, D., Janssen, H., Jalink, K., Sonnenberg, A. and Moolenaar, W. H.
- 5204 Proteasome dysfunction induces muscle growth defects and protein aggregation
Kitajima, Y., Tashiro, Y., Suzuki, N., Warita, H., Kato, M., Tateyama, M., Ando, R., Izumi, R., Yamazaki, M., Abe, M., Sakimura, K., Ito, H., Urushitani, M., Nagatomi, R., Takahashi, R. and Aoki, M.
- 5218 Synaptotagmin-7 links fusion-activated Ca²⁺ entry and fusion pore dilation
Neuland, K., Sharma, N. and Frick, M.
- 5228 Delivery of CSF-1R to the lumen of macropinosomes promotes its destruction in macrophages
Lou, J., Low-Nam, S. T., Kerkvliet, J. G. and Hoppe, A. D.
- 5240 The role of the plexin-A2 receptor in Sema3A and Sema3B signal transduction
Sabag, A. D., Smolkin, T., Mumblat, Y., Ueffing, M., Kessler, O., Gloeckner, C. J. and Neufeld, G.
- 5253 PTEN counteracts PIP₃ upregulation in spines during NMDA-receptor-dependent long-term depression
Arendt, K. L., Benoist, M., Lario, A., Draffin, J. E., Muñoz, M. and Esteban, J. A.
- 5261 Epiprofin orchestrates epidermal keratinocyte proliferation and differentiation
Nakamura, T., Yoshitomi, Y., Sakai, K., Patel, V., Fukumoto, S. and Yamada, Y.

- 5273 DAPK–HSF1 interaction as a positive-feedback mechanism stimulating TNF-induced apoptosis in colorectal cancer cells
Benderska, N., Ivanovska, J., Rau, T. T., Schulze-Luehrmann, J., Mohan, S., Chakilam, S., Gandesiri, M., Ziesché, E., Fischer, T., Söder, S., Agaimy, A., Distel, L., Sticht, H., Mahadevan, V. and Schneider-Stock, R.
- 5288 The SynCAM synaptic cell adhesion molecules are involved in sensory axon pathfinding by regulating axon–axon contacts
Frei, J. A., Andermatt, I., Gesemann, M. and Stoeckli, E. T.
- 5303 Eps8 controls Src- and FAK-dependent phenotypes in squamous carcinoma cells
Schoenherr, C., Serrels, B., Proby, C., Cunningham, D. L., Findlay, J. E., Baillie, G. S., Heath, J. K. and Frame, M. C.
- 5317 Ciliopathy proteins establish a bipartite signaling compartment in a *C. elegans* thermosensory neuron
Nguyen, P. A. T., Liou, W., Hall, D. H. and Leroux, M. R.

CORRECTION

- 5331 *In vivo* analysis of formation and endocytosis of the Wnt/ β -Catenin signaling complex in zebrafish embryos
Hagemann, A. I. H., Kurz, J., Kauffeld, S., Chen, Q., Reeves, P. M., Weber, S., Schindler, S., Davidson, G., Kirchhausen, T. and Scholpp, S.