



Cover: Chains of postnatal mouse neuroblasts extend out of rostral migratory stream explants embedded in Matrigel. Cells are immunostained for the neuroblast marker β III tubulin (red). F-actin is visualized by fluorescent phalloidin (green) and nuclei by Hoechst 33342 (blue). The polarized migration of stem-cell-derived neuroblasts is a fundamental aspect in postnatal neurogenesis, influencing the final differentiation of these cells into mature neurons. The small Ras-like GTPase RalA regulates neuroblast morphology and polarity *in vivo* by promoting a direct interaction between Exo84, a subunit of the exocyst, and Par6, a component of the Par complex. See article by A. Das et al. (pp. 686–699).

COMMENTARIES

- 477 Actin-based spindle positioning: new insights from female gametes
Almonacid, M., Terret, M.-É. and Verlhac, M.-H.
- 485 *In vivo* cell biology in zebrafish – providing insights into vertebrate development and disease
Vacaru, A. M., Unlu, G., Spitzner, M., Mione, M., Knapik, E. W. and Sadler, K. C.

RESEARCH ARTICLES

- 497 PTP-PEST targets a novel tyrosine site in p120 catenin to control epithelial cell motility and Rho GTPase activity
Espejo, R., Jeng, Y., Paulucci-Holthauzen, A., Rengifo-Cam, W., Honkus, K., Anastasiadis, P. Z. and Sastry, S. K.
- 509 Cullin 5 destabilizes Cas to inhibit Src-dependent cell transformation
Teckchandani, A., Laszlo, G. S., Simó, S., Shah, K., Pilling, C., Strait, A. A. and Cooper, J. A.
- 521 Genes involved in cell adhesion and signaling: a new repertoire of retinoic acid receptor target genes in mouse embryonic fibroblasts
Al Tanoury, Z., Piskunov, A., Andriamoratsiresy, D., Gaouar, S., Lutzing, R., Ye, T., Jost, B., Keime, C. and Rochette-Egly, C.
- 534 Integrins promote cytokinesis through the RSK signaling axis
Mathew, S. S., Nieves, B., Sequeira, S., Sambandamoorthy, S., Pumiglia, K., Larsen, M. and LaFlamme, S. E.
- 546 The human CFTR protein expressed in CHO cells activates aquaporin-3 in a cAMP-dependent pathway: study by digital holographic microscopy
Jourdain, P., Becq, F., Lengacher, S., Boinot, C., Magistretti, P. J. and Marquet, P.
- 557 Slp2-a controls renal epithelial cell size through regulation of Rap–ezrin signaling independently of Rab27
Yasuda, T. and Fukuda, M.
- 571 Frs2 α and Shp2 signal independently of Gab to mediate FGF signaling in lens development
Li, H., Tao, C., Cai, Z., Hertzler-Schaefer, K., Collins, T. N., Wang, F., Feng, G.-S., Gotoh, N. and Zhang, X.
- 583 Live cell imaging reveals actin-cytoskeleton-induced self-association of the actin-bundling protein WLM1
Hoffmann, C., Moes, D., Dieterle, M., Neumann, K., Moreau, F., Tavares Furtado, A., Dumas, D., Steinmetz, A. and Thomas, C.
- 599 Sharp-1 regulates TGF- β signaling and skeletal muscle regeneration
Acharjee, S., Chung, T.-K., Gopinadhan, S., Shankar, S. R., Wang, Y., Li, L., Vercherat, C., Gulbagci, N. T., Rossner, M. and Taneja, R.
- 609 Single-cell imaging of the heat-shock response in colon cancer cells suggests that magnitude and length rather than time of onset determines resistance to apoptosis
Ramapathiran, L., Bernas, T., Walter, F., Williams, L., Düssmann, H., Concannon, C. G. and Prehn, J. H. M.
- 620 ICAM-2 facilitates luminal interactions between neutrophils and endothelial cells *in vivo*
Halai, K., Whiteford, J., Ma, B., Nourshargh, S. and Woodfin, A.
- 630 Recurrent deletions of *ULK4* in schizophrenia: a gene crucial for neuritogenesis and neuronal motility
Lang, B., Pu, J., Hunter, I., Liu, M., Martin-Granados, C., Reilly, T. J., Gao, G.-D., Guan, Z.-L., Li, W.-D., Shi, Y.-Y., He, G., He, L., Stefánsson, H., St Clair, D., Blackwood, D. H., McCaig, C. D. and Shen, S.
- 641 The extracellular matrix glycoprotein tenascin-R regulates neurogenesis during development and in the adult dentate gyrus of mice
Xu, J.-C., Xiao, M.-F., Jakovcevski, I., Sivukhina, E., Hargus, G., Cui, Y.-F., Irintchev, A., Schachner, M. and Bernreuther, C.
- 653 Src-like-adaptor protein (SLAP) differentially regulates normal and oncogenic c-Kit signaling
Kazi, J. U., Agarwal, S., Sun, J., Bracco, E. and Rönstrand, L.
- 663 The molecular basis for selective assembly of the UBAP1-containing endosome-specific ESCRT-I complex
Wunderley, L., Brownhill, K., Stefani, F., Taberner, L. and Woodman, P.
- 673 Cdc42 and the Rho GEF intersectin-1 collaborate with Nck to promote N-WASP-dependent actin polymerisation
Humphries, A. C., Donnelly, S. K. and Way, M.
- 686 RalA promotes a direct exocyst–Par6 interaction to regulate polarity in neuronal development
Das, A., Gajendra, S., Falenta, K., Oudin, M. J., Peschard, P., Feng, S., Wu, B., Marshall, C. J., Doherty, P., Guo, W. and Lalli, G.

CORRECTION

- 700 Expression of OA1 limits the fusion of a subset of MVBs with lysosomes – a mechanism potentially involved in the initial biogenesis of melanosomes
Burgoyne, T., Jolly, R., Martin-Martin, B., Seabra, M. C., Piccirillo, R., Schiaffino, M. V. and Futter, C. E.