




Cover: A transmission electron microscope image of an autophagosome in a mouse embryonic fibroblast following a 2-h serum and amino acid deprivation. The double-membraned structure (at the centre) with an empty inter-membrane space is an autophagosome, which has engulfed or is engulfing cytosolic materials inside. This autophagosome is tightly associated with rough endoplasmic reticulum. The nucleus is seen in the upper-left corner. See article by Chieko Kishi-Itakura et al. (pp. 4089–4102).

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Meyer, H. and Weihl, C. C.

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SHORT REPORTS

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Macpherson, I. R., Rainero, E., Mitchell, L. E., van den Berghe, P. V. E., Speirs, C., Dozynkiewicz, M. A., Chaudhary, S., Kalna, G., Edwards, J., Timpson, P. and Norman, J. C.
- 3902 Chk1 protects against chromatin bridges by constitutively phosphorylating BLM serine 502 to inhibit BLM degradation
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- 3909 The splicing factor U1-70K interacts with the SMN complex and is required for nuclear gem integrity
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RESEARCH ARTICLES

- 3916 Deficits in receptor-mediated endocytosis and recycling in cells from mice with *Gpr107* locus disruption
Zhou, G. L., Na, S.-Y., Niedra, R. and Seed, B.
- 3928 TRIM15 is a focal adhesion protein that regulates focal adhesion disassembly
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- 3943 Long QT mutations at the interface between KCNQ1 helix C and KCNE1 disrupt I_{KS} regulation by PKA and PIP₂
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- 3956 The molecular basis of emerin–emerin and emerin–BAF interactions
Berk, J. M., Simon, D. N., Jenkins-Houk, C. R., Westerbeck, J. W., Grønning-Wang, L. M., Carlson, C. R. and Wilson, K. L.
- 3970 *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.
- 3983 Sortilin mediates the release and transfer of exosomes in concert with two tyrosine kinase receptors
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- 3998 Differential effects of Akt isoforms on somatic cell reprogramming
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- 4009 Rho/ROCK pathway inhibition by the CDK inhibitor p27^{kip1} participates in the onset of macrophage 3D-mesenchymal migration
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- 4024 Septin ring assembly is regulated by Spt20, a structural subunit of the SAGA complex
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- 4037 p120-catenin regulates REST and CoREST, and modulates mouse embryonic stem cell differentiation
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- 4052 Interaction of SQSTM1 with the motor protein dynein – SQSTM1 is required for normal dynein function and trafficking
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- 4064 Divergent and convergent roles for kinases and phosphatases in neurofilament dynamics
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- 4078 ER-phagy mediates selective degradation of endoplasmic reticulum independently of the core autophagy machinery
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- 4089 Ultrastructural analysis of autophagosome organization using mammalian autophagy-deficient cells
Kishi-Itakura, C., Koyama-Honda, I., Itakura, E. and Mizushima, N.