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Uncoupling global and fine-tuning replication timing determinants for mouse pericentric heterochromatin

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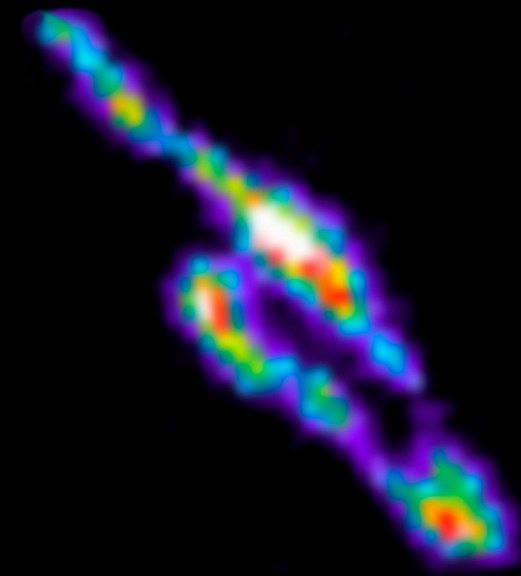
Exit from mitosis triggers Chs2p transport from the endoplasmic reticulum to mother–daughter neck via the secretory pathway in budding yeast

Gang Zhang, Rohini Kashimshetty, Kwee Eng Ng, Heng Buck Tan, and Foong May Yeong

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Actin depolymerization is sufficient to induce programmed cell death in self-incompatible pollen

Steven G. Thomas, Shanjin Huang, Shutian Li, Christopher J. Staiger, and Veronica E. Franklin-Tong

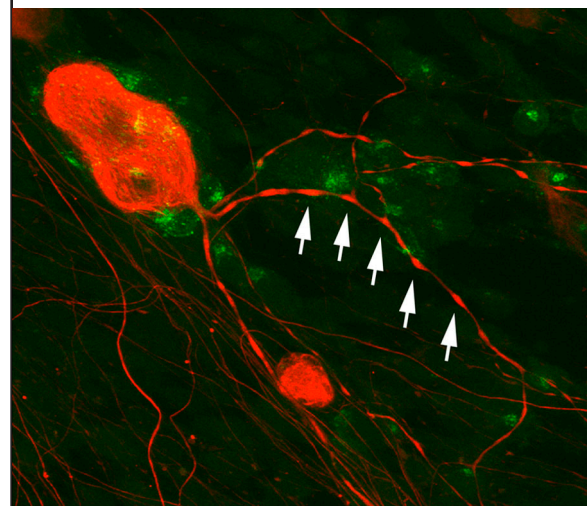


On the cover

By disrupting adhesion complexes, BDNF induces a scattering of synaptic vesicles (colored), which leads to increased synaptic size and density.

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- 231** Complete repair of dystrophic skeletal muscle by mesoangioblasts with enhanced migration ability
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- 245** Entry of muscle satellite cells into the cell cycle requires sphingolipid signaling
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- 277** An inhibitory role for FAK in regulating proliferation: a link between limited adhesion and RhoA-ROCK signaling
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- 289** BDNF mobilizes synaptic vesicles and enhances synapse formation by disrupting cadherin- β -catenin interactions
Shernaz X. Bamji, Beatriz Rico, Nikole Kimes, and Louis F. Reichardt
- 301** Paraxial protocadherin mediates cell sorting and tissue morphogenesis by regulating C-cadherin adhesion activity
Xuejun Chen and Barry M. Gumbiner
- 315** Correction



Infection of neurons (red) by the PRV α -herpesvirus (green) induces axonal swellings (arrows) that serve as exit sites for the virus to infect neighboring cells.
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