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On the cover
A 3D-rendered time-lapse series shows the disassembly of the mitotic spindle (orange) after inactivation of the cyclin-dependent kinase Cdk1. Hégarat et al. reveal that spindle microtubules are stabilized in the absence of Aurora A and Aurora B activity, indicating that these two mitotic kinases regulate anaphase microtubule dynamics. Image courtesy of Nadia Hégarat and Helfrid Hochegger. See page 1103.
Neuregulin/ErbB regulate neuromuscular junction development by phosphorylation of α-dystrobrevin
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Desmosomal cadherins utilize distinct kinesins for assembly into desmosomes
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Corrections
Impenetrable barriers or entry portals? The role of cell–cell adhesion during infection
Matteo Bonazzi and Pascale Cossart

Baez et al. identify S-foci, neuronal cytoplasmic granules containing the translational repressor Smaug1 (red), which control synapse formation by regulating the local translation of mRNAs encoding the kinase CaMKII (green) and other proteins after NMDA receptor stimulation. Image © 2011 Baez et al. See page 1141.