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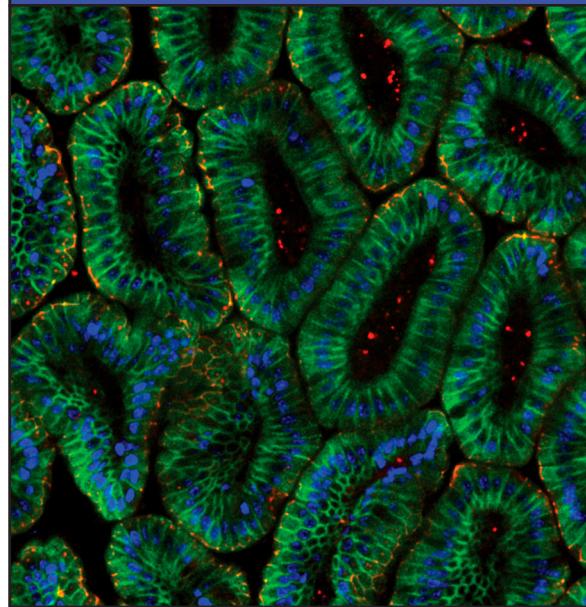
- 57** A dual function for chaperones SSB–RAC and the NAC nascent polypeptide–associated complex on ribosomes
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On the cover

The gut epithelia of mice expressing the fluorescently labeled tight junction proteins occludin (green) and ZO-1 (red). Marchiando et al. reveal that the cytokine TNF disrupts the barrier function of tight junctions by stimulating the caveolin-1–dependent endocytosis of occludin.

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Caveolin-1-dependent occludin endocytosis is required for TNF-induced tight junction regulation in vivo
Amanda M. Marchiando, Le Shen, W. Vallen Graham, Christopher R. Weber, Brad T. Schwarz, Jotham R. Austin II, David R. Raleigh, Yanfang Guan, Alastair J.M. Watson, Marshall H. Montrose, and Jerrold R. Turner

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BMP-induced REST regulates the establishment and maintenance of astrocytic identity
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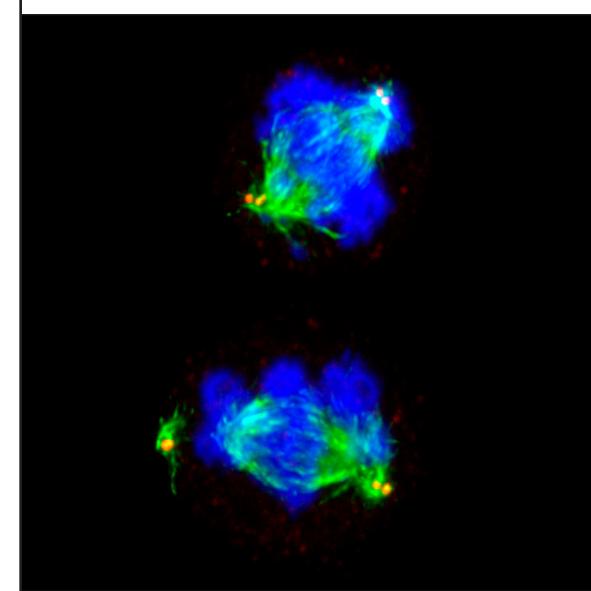
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Intraflagellar transport molecules in ciliary and nonciliary cells of the retina
Tina Sedmak and Uwe Wolfrum

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Joubert syndrome Arl13b functions at ciliary membranes and stabilizes protein transport in *Caenorhabditis elegans*
Sebiha Cevik, Yuji Hori, Oktay I. Kaplan, Katarzyna Kida, Tiina Toivenon, Christian Foley-Fisher, David Cottell, Toshiaki Katada, Kenji Kontani, and Oliver E. Blacque



Disrupting the centrosomal protein CDK5RAP2 causes centrosomes (red) to detach from the poles of the mitotic spindle (green). The protein—which is mutated in primary microcephaly—also promotes cell cycle arrest after DNA damage.

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