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COVER

Topographic map of the Moon based on measurements from the Lunar Orbiter Laser Altimeter, showing the boundary between Oceanus Procellarum, a smooth, relatively young mare region on the western nearside (upper right), and the older, more heavily cratered highlands (center and lower left). Colors indicate increasing elevation from blue to red. The crescent-shaped Lorentz crater (center) is ~312 kilometers in diameter. See the Reports on pages 1504, 1507, and 1510.

Image: NASA/LRO/LOLA/GSFC/MIT/Brown

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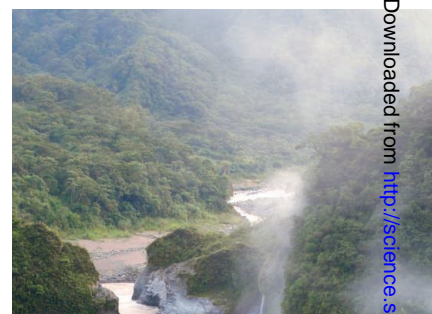
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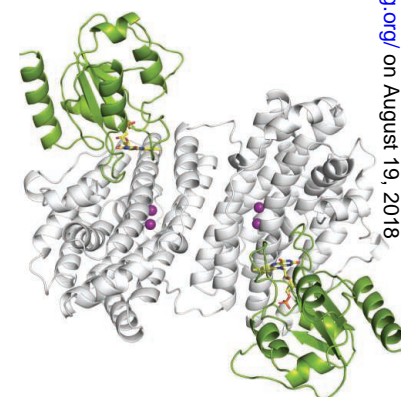
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Fast Vesicle Fusion in Living Cells Requires at Least Three SNARE Complexes

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Evolution III—Domains for Change

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RESEARCH ARTICLE: Characterization of the Extrinsic Apoptotic Pathway in the Basal Chordate Amphioxus

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Expanding the Genetic Code

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Understanding how teams function is vital, because they are increasingly dominating the production of high-impact science.



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Evolving domains.

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Epigenetic signatures akin to genetic fingerprints may correlate with a common genetic trait.

RESEARCH ARTICLE: Disruption at the *PTCHD1* Locus on Xp22.11 in Autism Spectrum Disorder and Intellectual Disability

A. Noor et al.

Mutations of the X-linked gene *PTCHD1* are associated with autism spectrum disorders and intellectual disability.

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