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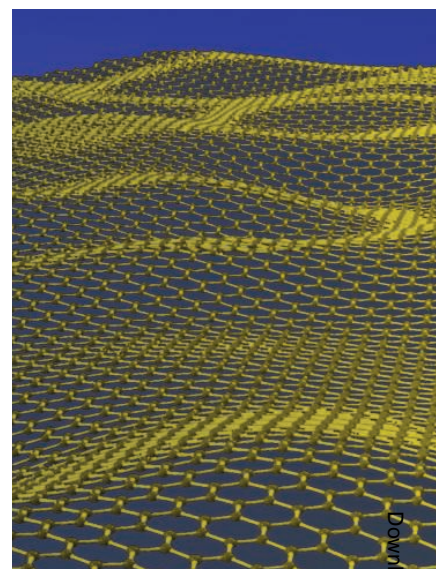
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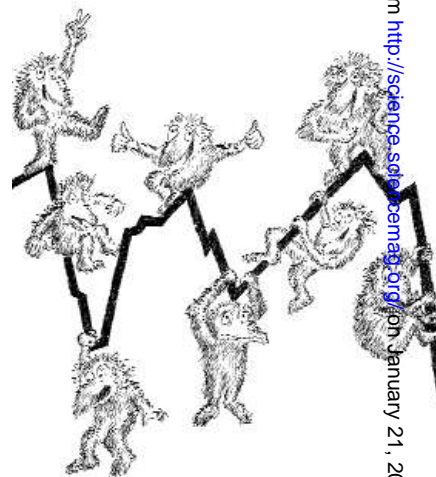
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Shaded perspective view of a surface topography of the West Antarctic Ice Sheet looking toward the Filchner-Ronne Ice Shelf and Antarctic Peninsula at the upper left. Floating ice shelves at the surface are in gray; the grounded ice sheet is shaded green to blue with increasing elevation. The topography was used to determine the volume of ice above sea level, as described on page 901.

Image: David Vaughan, British Antarctic Survey

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A functional magnetic resonance imaging study reveals the interactions within the brain that modulate feelings of reward on seeing a similar person win a contest.
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J. L. Bamber et al.
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- 904** Input-Specific Spine Entry of Soma-Derived Vesl-15 Protein Conforms to Synaptic Tagging
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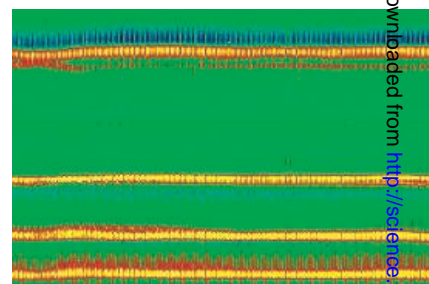
- 910** Achieving $\lambda/20$ Resolution by One-Color Initiation and Deactivation of Polymerization
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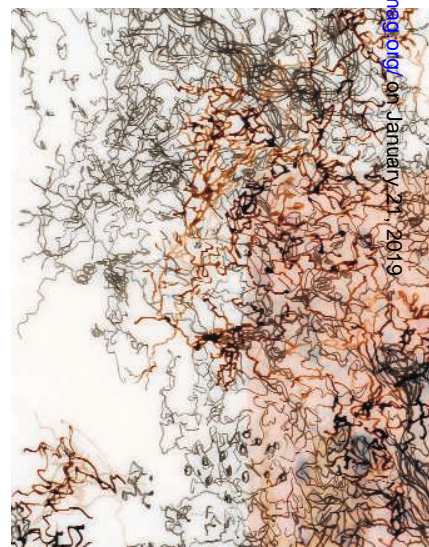
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Synapse- and Stimulus-Specific Local Translation During Long-Term Neuronal Plasticity

D. O. Wang et al.

Live-cell microscopy reveals local translation during long-term facilitation of *Aplysia* sensory-motor synapses.
10.1126/science.1173205

Diversity and Complexity in DNA Recognition by Transcription Factors

G. Badis et al.

A broad survey of transcription factors reveals that related proteins can have multiple and differing DNA binding specificities.
10.1126/science.1162327

A Vital Role For Interleukin-21 in the Control of a Chronic Viral Infection

J. S. Yi et al.

The cytokine interleukin-21 has a profound impact on virus-specific T cell responses to chronic infections in mice.
10.1126/science.1175194

Determining the Dynamics of Entanglement

O. Jiménez Fariás et al.

The evolution of quantum mechanically entangled photon pairs can now be measured as they interact with their environment.
10.1126/science.1171544

Pd-Pt Bimetallic Nanodendrites with High Activity for Oxygen Reduction

B. Lim et al.

The catalytic activity of platinum is enhanced through a growth process that creates nanocrystals with high surface area.
10.1126/science.1170377

Pandemic Potential of a Strain of Influenza A (H1N1): Early Findings

C. Fraser et al.

An international collaborative effort has analyzed the initial dynamics of the swine flu outbreak.
10.1126/science.1176062

SCIENCE NOW

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Highlights From Our Daily News Coverage

Neutron Stars: Billions of Times Stronger Than Steel

A neutron star's surface is so dense it might shake up spacetime.

Sometimes, Nice Guys Finish First

Study of homicidal tribe shows aggressive warriors have less reproductive success.

Sun's Behavior Flummoxes Solar Scientists

New prediction pushes back timing and intensity of solar activity, but not everyone is on board.

SCIENCE SIGNALING

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RESEARCH ARTICLE: TRPM1 Forms Ion Channels Associated with Melanin Content in Melanocytes

E. Oancea et al.

Newly identified TRPM1 isoforms that mediate current are highly conserved, present intracellularly, and associated with melanin content.

PERSPECTIVE: The Quest for Long-Distance Signals in Plant Systemic Immunity

J. E. Parker

Infected plant tissues generate diffusible signals that prime defenses in the rest of the plant.

PERSPECTIVE: The Yin and Yang of Synaptic Active Zone Assembly

S. J. Sigrist

An antagonist of two protein-protein interactions required for synapse formation has been identified in *C. elegans*.

PRESENTATION: Integrative Analysis of Genome-Wide RNA Interference Screens

J. D. Berndt et al.

By integrating RNAi screens with protein-protein interaction data, drug-protein interaction data, or disease-genotype data, researchers can focus their efforts on the best hits.

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E-LETTER: Paradigm Shift

J. S. Torday and V. K. Rehan

Torday and Rehan discuss the recent *Science Signaling* editorial by Sears.

SCIENCE CAREERS

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Free Career Resources for Scientists

Traversing the Bridge Years

S. Brass

Bridging clinical training and a research career requires careful, strategic thinking.

>> *Editorial p. 855*

Tooling Up: Six Classic Lines of Bull

D. Jensen

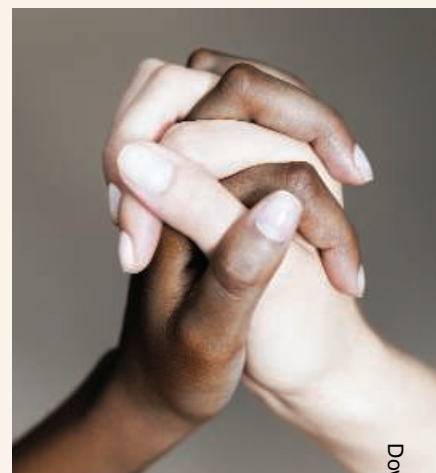
Some of the things you hear during a job search are about as silly as a bad pickup line.

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Download the 15 May *Science* Podcast to hear about how the brain reacts to vicarious reward, potential sea-level rise from collapsing ice sheets, monies budgeted for U.S. science, and more.



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