

COVER

A growing number of U.S. corporations are reacting to reports of poor student performance on national and international tests by contributing time and money to efforts aimed at improving math and science education in U.S. schools. To find out what they are doing and how well it's working, see page 1030.

Photo illustration: Kelly Krause/Science (images: Jupiter Images; Getty)

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www.scienceexpress.org

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Selective Blockade of MicroRNA Processing by Lin-28

S. R. Viswanathan, G. Q. Daley, R. I. Gregory

A protein necessary for reprogramming skin fibroblasts to pluripotent stem cells is an RNA-binding protein that normally inhibits microRNA processing in embryonic cells.

10.1126/science.1154040

CELL BIOLOGY

Video-Rate Far-Field Optical Nanoscopy Dissects Synaptic Vesicle Movement

V. Westphal et al.

Sequential subdiffraction resolution images of fluorescently labeled synaptic vesicles in live cells reveal that they exhibit several distinct movement patterns.

10.1126/science.1154228

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full text at www.sciencemag.org/cgi/content/full/319/5866/1042b

Response to Comment on "International Conservation Policy Delivers Benefits for Birds in Europe"

P. F. Donald et al.

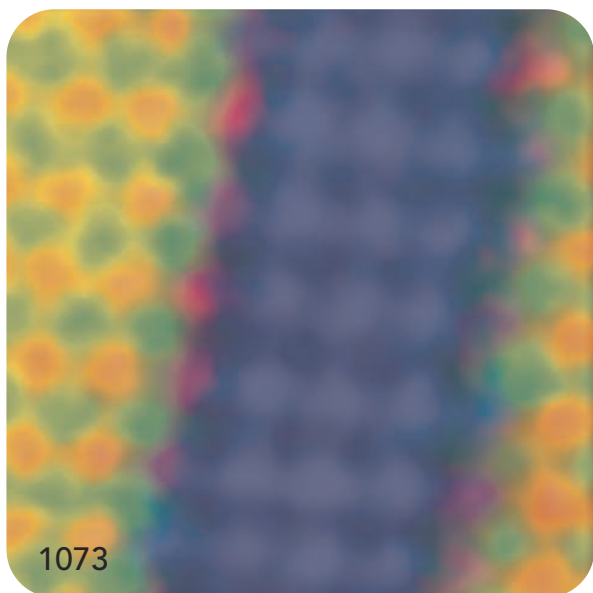
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10.1126/science.1153465

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10.1126/science.1154115

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>> *Perspective p. 1049*

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The purple sea urchin is headed for trouble.

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Warm Sea Urchins on Acid

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A Grand Diversion in Louisiana

Model predicts how much wetlands would benefit from shunting Mississippi River.

Anticipation Fires the Imagination

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Mastering Your Ph.D.: Preparing for Your Post-Ph.D. Career

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Find out how to find a job that suits you, inside or outside academia.

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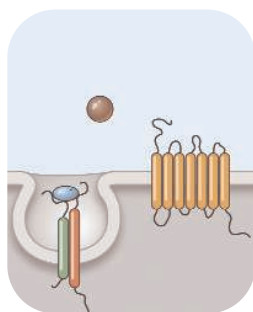
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Spain's science funding agency rejected Eduardo Moreno's idea, but it still won him a grant from the European Research Council.

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Kremen regulates Wnt signaling.

SCIENCE SIGNALING

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PERSPECTIVE: Context-Dependent Activation or Inhibition of Wnt-β-Catenin Signaling by Kremen

C. S. Cselenyi and E. Lee

The effect of Kremen 2 on Wnt signaling depends on the presence or absence of the Wnt antagonist Dickkopf1.

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F. P. G. Van Horck and C. E. Holt

Mutual interactions between the cytoskeleton and local translation may mediate growth cone steering response.

PODCAST

N. R. Gough and J. F. Foley

Listen to a discussion about the signals that generate fat cells.



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