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Science

Food Security

 AAAS

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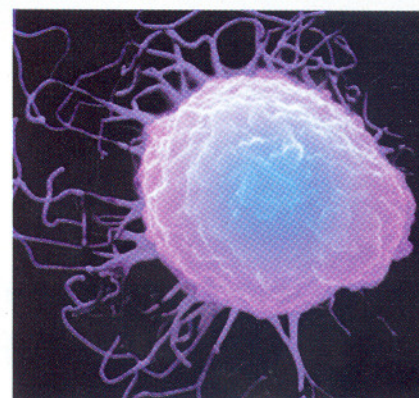
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Photo: Simon Rawles/Alamy

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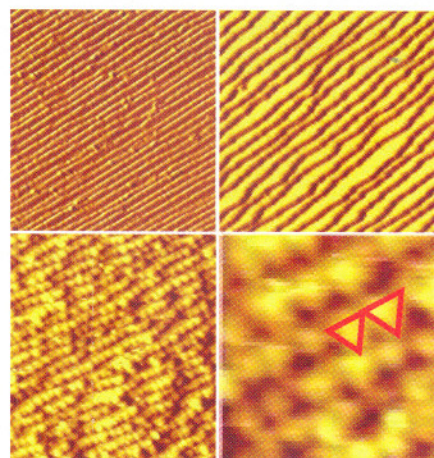
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A Stratified Redox Model for the Ediacaran Ocean

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Light-Controlled Self-Assembly of Semiconductor Nanoparticles into Twisted Ribbons

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The photooxidation of CdS nanoparticles within CdTe nanoparticle ribbons causes surface stresses that lead to twisting.

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Doc2b Is a High-Affinity Ca²⁺ Sensor for Spontaneous Neurotransmitter Release

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Spontaneous synaptic vesicle fusion is triggered by soluble proteins that compete with synaptotagmins to induce membrane curvature.

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Carbon dioxide emissions could be leading to record drought and snowfalls.

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High living—in the topographical sense—causes weight loss, a study suggests.

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Legendary quantum physicist's speculations about Westerns inspire discovery about reaction speed.

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RESEARCH ARTICLE: ARD1 Stabilization of TSC2 Suppresses Tumorigenesis Through the mTOR Signaling Pathway

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RESEARCH ARTICLE: SUMOylation Mediates the Nuclear Translocation and Signaling of the IGF-1 Receptor

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PERSPECTIVE: Glucocorticoid Receptor DNA Binding Decoy Is a Gas

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By mimicking a DNA response element, a noncoding RNA inhibits glucocorticoid receptor activity.

SCIENCE CAREERS

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Free Career Resources for Scientists

Plant Geneticist Cultivating a Future for Peanut Farming in Uganda

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David Kalule Okello is one of Uganda's weapons in the battle against hunger.

Careers in Food Security Span Several Disciplines

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PERSPECTIVE: Genetic Polymorphisms—A Cornerstone of Translational Biobehavioral Research

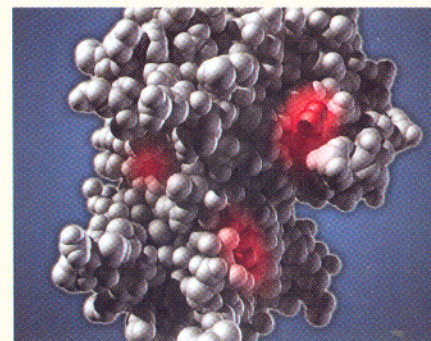
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Understanding common genetic variation can serve to explain individual behaviors.

COMMENTARY: Liberating Health Data for Clinical Research Applications

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Electronic health record systems represent important new strategies to improve health care.



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RESEARCH ARTICLE: The Origins of Sexually Transmitted HIV Among Men Who Have Sex with Men

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A cell-free virus in semen is the origin of sexually transmitted HIV among men who have sex with men.

RESEARCH ARTICLE: A Monoclonal Antibody Against α V β 3 Integrin Inhibits Development of Atherosclerotic Lesions in Diabetic Pigs

L. A. Maile et al.

An antibody directed at the C terminal of an integrin subunit can prevent atherosclerosis in diabetic pigs.

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