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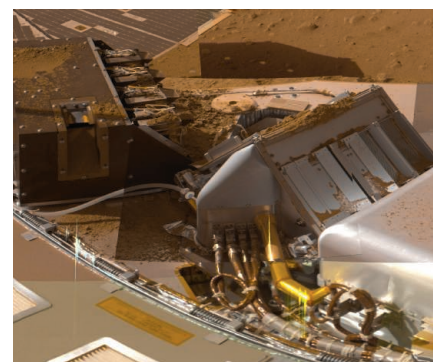
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COVER

Seeds in storage containers destined for the Millennium Seed Bank, a conservation project run by Kew Gardens, UK, which now houses 10 percent of the world's plant species as seeds. The conservation of biodiversity is in the spotlight as scientists, nongovernmental organizations, and politicians prepare for the Convention on Biological Diversity in Nagoya, Japan, in October 2010. See the special News Focus section beginning on page 1272 and the Review on page 1298.

Photo: Bryan and Cherry Alexander/Alamy

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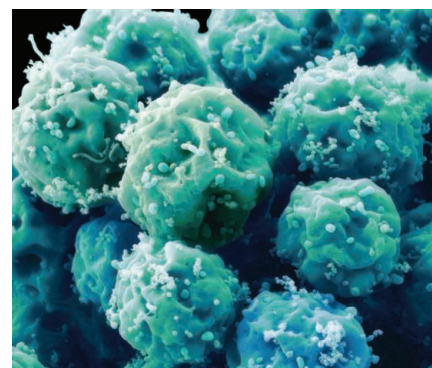
How a prokaryotic immune system makes small RNAs that target invading nucleic acids.

- 1358 Prediction of Individual Brain Maturity Using fMRI

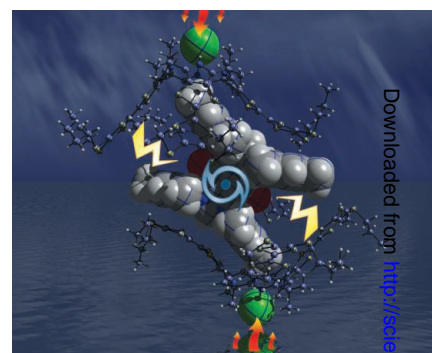
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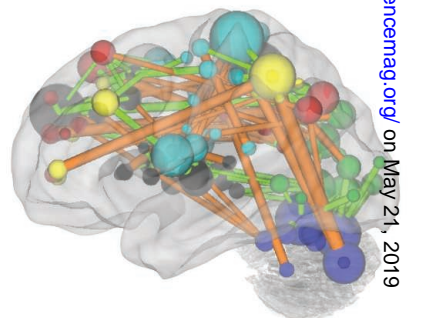
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10.1126/science.1196333

Greater Neural Pattern Similarity Across Repetitions Is Associated with Better Memory

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Similarity in neural representations is associated with better memory, as well as conscious cognition.

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Cellodextrin Transport in Yeast for Improved Biofuel Production

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Universal Dynamical Decoupling of a Single Solid-State Spin from a Spin Bath

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10.1126/science.1192739

Neutrino Spectroscopy Can Probe the Dark Matter Content in the Sun

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10.1126/science.1196564

SCIENCE NOW

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Forget Mice, Elephants Really Hate Ants

An aversion to biting ants keeps elephants from ravaging the savanna.

How Fish Oil Fights Inflammation

Omega-3 fatty acids work via a specific receptor and may combat diabetes as well.

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by New Twist on Curveball Physics

Analysis of stunning kick shows how spinning balls follow spiral paths.

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EDITORIAL GUIDE: Looking Ahead to the Past

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JOURNAL CLUB: Receptor Tyrosine Kinase Transmembrane Domain Interactions—Potential Target for “Interceptor” Therapy

A. Kajanajmudeen

Disrupting intermolecular interactions between transmembrane domains is a potential method for attenuating signaling through receptor tyrosine kinases.

PERSPECTIVE: NF- κ B—Much Learned, Much to Learn

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SCIENCE CAREERS

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Free Career Resources for Scientists

Mind Matters: Anxiety in the Workplace

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Everyone feels a bit nervous from time to time, but excessive anxiety can be disabling and derail careers.

Testing Mother Earth's Resilience

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Growing up in Kruger National Park in South Africa allowed Reinet Biggs to shape her research career in unusual ways.

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PERSPECTIVE: Genome-Wide Association Studies Identify New Targets in Cardiovascular Disease

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RESEARCH ARTICLE: Integration of Early Physiological Responses Predicts Later Illness Severity in Preterm Infants

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Physiological parameters routinely and noninvasively collected in the first 3 hours of life can accurately predict morbidity in premature infants.



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A small molecule inhibitor of phosphatidylinositol 3-kinase enhances the cytotoxic effects of the common chemotherapeutic agent doxorubicin in breast and ovarian cancer cell lines.

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Science Policy News and Analysis

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