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A three-dimensional model of the topological structure of zeolite SSZ-65. The Gordon Research Conference on Nanoporous Materials will be held 15 to 20 June 2008 at Colby College, Waterville, ME. The schedules for the 2008 Gordon Research Conferences begin on page 637.

Model creation and rendering:
Kelly Harvey and Scott Harvey

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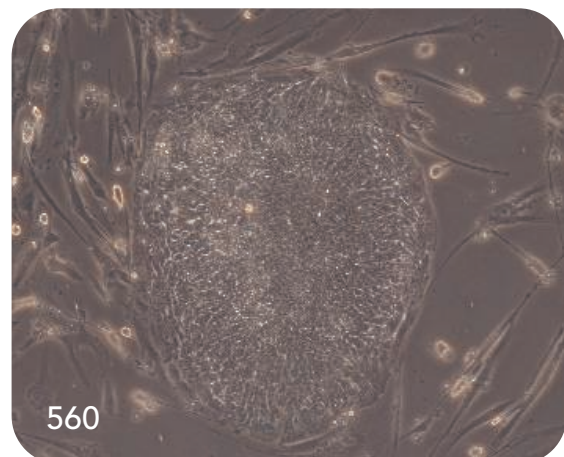
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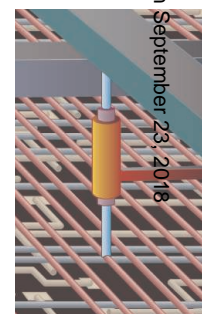
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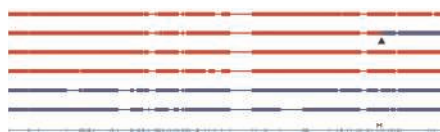
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Human-Induced Changes in the Hydrology of the Western United States
T. P. Barnett et al.

Combining a regional hydrologic and global climate model implies that human-caused CO₂ emissions have already greatly changed river flows and snow pack in the western United States.

10.1126/science.1152538

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Spectroscopic signatures show that supernova explosions of stars that have lost their hydrogen envelopes are strongly aspherical and may be jetlike.

10.1126/science.1149437

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High-Resolution Mapping of Crossovers Reveals Extensive Variation in Fine-Scale Recombination Patterns Among Humans

G. Coop, X. Wen, C. Ober, J. K. Pritchard, M. Przeworski

High-density genotyping of individuals from 82 families shows unexpected variation in the number of meiotic crossovers and in the relative activity of recombination hotspots.

10.1126/science.1151851

GENETICS

Sequence Variants in the *RNF212* Gene Associate with Genomewide Recombination Rate

A. Kong et al.

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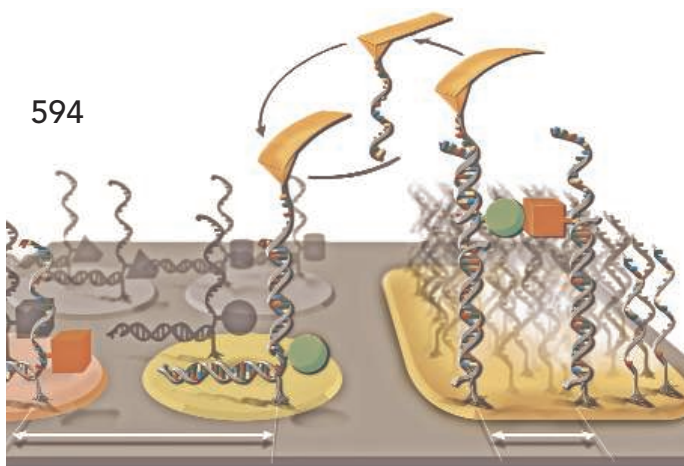
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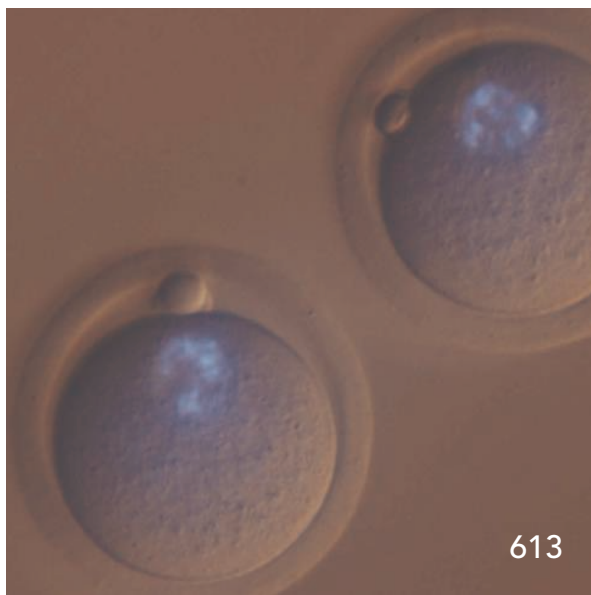
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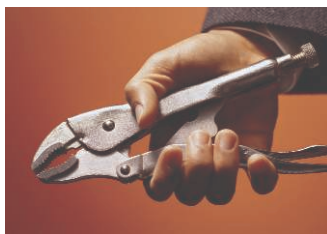
Optical trapping reveals that activation by adenine stabilizes the weakest helix in a riboswitch, after which secondary and tertiary structures are formed sequentially.



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Physicists figure out why the anthropological dating tool decays so slowly.

The Ocean's Biological Deserts Are Expanding

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SCIENCE CAREERS

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Maximizing Productivity and Recognition, Part 2: Collaboration and Networking

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Collaboration and networking help make connections that can advance both science and your career.

What's Ahead for Early-Career Scientists?

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A comprehensive examination finds opportunities in the U.S. brighter in industry than in academia.

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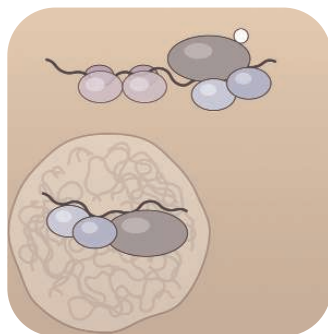
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February 2008 Funding News

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Suppression of translation by FMRP.

SCIENCE SIGNALING

www.stke.org THE SIGNAL TRANSDUCTION KNOWLEDGE ENVIRONMENT

PERSPECTIVE: Metabotropic Glutamate Receptors and Fragile X Mental Retardation Protein—Partners in Translational Regulation at the Synapse

J. A. Ronesi and K. M. Huber

On the road to protein synthesis-dependent plasticity, FMRP is the brake and mGluRs are the gas.

EVENTS

Plan to attend a meeting related to cell signaling.

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