Understanding the Warbug Effect: The Metabolic Requirements of Cell Proliferation
M. G. Vander Heiden et al.

The SOS Response Controls Integron Recombination
É. Guerin et al.

Bacteria can mobilize antibiotic resistance under stressful conditions.

The Genetic Structure and History of Africans and African Americans
S. A. Tishkoff et al.

A genetic study illuminates population history, as well as the relationships among and the origin of major language families.

Dispersion of the Excitations of Fractional Quantum Hall States
I. V. Kukushkin et al.

The dispersion of excitations in a buried two-dimensional electron system can now be probed.

Real-Time Infrared Detection of Cyanide Flip on Silver-Alumina NO\textsubscript{x} Removal Catalyst
F. Thibault-Starzyk et al.

Rapid initiation of a catalytic reaction through laser heating enables the spectroscopic detection of a key intermediate.

Fabricating Genetically Engineered High-Power Lithium-Ion Batteries Using Multiple Virus Genes
Y. J. Lee et al.

A genetically modified virus is used to form an efficient cathodic battery material.

Greater Transportation Energy and GHG Offsets from Bioelectricity Than Ethanol
J. E. Campbell et al.

Electric vehicles powered by electricity made from biofuels are more efficient than vehicles fueled by bioethanol.

Exploration of Victoria Crater by the Mars Rover Opportunity
S. W. Squyres et al.

Water-induced alteration processes once acted on sedimentary rocks across a plain near the equator of Mars.

Bone Assemblages Track Animal Community Structure over 40 Years in an African Savanna Ecosystem
D. Western and A. K. Behrensmeyer

Species abundances in African mammal bone assemblages show promise for reconstructing modern and ancient community structures.

Regulators of PP2C Phosphatase Activity Function as Abscisic Acid Sensors
Y. Ma et al.

Links between two ancient multimember protein families signal responses to the plant hormone abscisic acid.

Understanding the Spreading Patterns of Mobile Phone Viruses
P. Wang et al.

Current mobile phone usage prevents major mobile virus outbreaks, but conditions could arise leading to a phone epidemic.

ATP-Citrate Lyase Links Cellular Metabolism to Histone Acetylation
K. E. Wellen et al.

Histone acetylation and gene expression in mammals are modulated by glycolytic metabolism.

Phasic Firing in Dopaminergic Neurons Is Sufficient for Behavioral Conditioning
H.-C. Tsai et al.

High-frequency pulses in deep brain cells release dopamine and cause reward-related behavior in mice.

The Human K-Complex Represents an Isolated Cortical Down-State
S. S. Cash et al.

A characteristic electroencephalogram pattern seen during sleep is accompanied by a steep decline in neural activity.

Crystal Structure of the Nuclear Export Receptor CRM1 in Complex with Snurportin1 and RanGTP
T. Monecke et al.

The structure of an exportin complex shows how nuclear transport complexes differentially recognize cargo.
Inhibition of Hedgehog Signaling Enhances Delivery of Chemotherapy In a Mouse Model of Pancreatic Cancer
K. P. Olive et al.
Pancreatic tumors are unresponsive to chemotherapy because their limited vasculature precludes efficient drug delivery.
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MicroRNA-92a Controls Angiogenesis and Functional Recovery of Ischemic Tissues in Mice
A. Bonauer et al.
Inhibition of a microRNA that represses blood vessel growth enhances the recovery of tissue damaged by an inadequate blood supply.
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A Radio Pulsar/X-ray Binary Link
A. M. Archibald et al.
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High-resolution spectroscopy maps out the unusual ground state electronic potential of the beryllium dimer.
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Comment on “Functional Traits and Niche-Based Tree Community Assembly in an Amazonian Forest”
J. K. Lake and A. Ostling
full text at www.sciencemag.org/cgi/content/full/324/5930/1015-c

Response to Comment on “Functional Traits and Niche-Based Tree Community Assembly in an Amazonian Forest”
N. J. B. Kraft and D. D. Ackerly
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C. P. Brangwynne et al.
Localization of RNA and protein-rich germ-cell granules occurs by controlled dissolution and condensation.
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That Bird Knows Who You Are
Mockingbirds can pick a threatening person out of a crowd.

Pancreatic tumors are unresponsive to chemotherapy because their limited vasculature precludes efficient drug delivery. MicroRNA-92a controls angiogenesis and functional recovery of ischemic tissues in mice. A radio pulsar/x-ray binary link is detected. Beryllium dimer is observed through high-resolution spectroscopy. Comments on functional traits and niche-based tree community assembly in an Amazonian forest are published.

Building a Science Career in the Defense Industry
A. Saim
The defense industry offers opportunities that go beyond designing weapons and aircraft.

Pharma Offers Bench-to-Bedside Opportunities
K. Hede
Scientists in pharma say working in their industry is beneficial. The defense industry offers opportunities that go beyond design. Despite some limitations, there are still advantages for scientists in industry.
Editor's Summary

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