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Nighttime view of present-day Chicago, USA. Since the 1893 Chicago World’s Fair introduced alternating current to the public, demand for electrical power has soared. Increased use of power from renewable resources will require new materials to store energy or generate power to ensure proper load balancing, as discussed in the special section beginning on page 921.

Photo: Jim Richardson/National Geographic/Getty Images
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The Origin of OB Runaway Stars M. S. Fuji and S. P. Zwart Most of the unusually fast, young stars in our galaxy are produced in three-body encounters within dense clusters of stars. 10.1126/science.1211927

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**RESEARCH ARTICLE:** Mathematical Model Identifies Blood Biomarker–Based Early Cancer Detection Strategies and Limitations S. S. Hori and S. S. Gambhir Early cancer detection using current clinical blood-based biomarker assays may not be possible within the first 10 years of tumor growth.

**PERSPECTIVE:** Targeting Chaperone-Mediated Autophagy in Cancer A. Thoburn and J. Debnath Tumors need chaperone-mediated autophagy for growth and metastasis.

**RESEARCH ARTICLE:** Chaperone-Mediated Autophagy Is Required for Tumor Growth M. Kon et al. Cancer cells depend on chaperone-mediated autophagy for growth revealing a new target for preventing tumorigenesis and inducing tumor regression.

**RESEARCH ARTICLE:** Treatment and Prevention of Urinary Tract Infection with Orally Active FimH Inhibitors C. K. Cossonato et al. Optimized mannoside compounds that block pathogenic *Escherichia coli* entry into bladder epithelium were effective in the treatment and prevention of urinary tract infections in mice.

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