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Credit: Xiao Tao, Rockefeller University

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Cryptic Sex-Ratio Bias Provides Indirect Genetic Benefits Despite Sexual Conflict
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The tumor suppressor LKB1 not only keeps cell proliferation in check but also modulates cell adhesion.

PERSPECTIVE: GPCR Dimers Fall Apart
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Oligomers of G protein–coupled receptors may be less stable than previously suspected.

REVIEW: The Role of the Kinases RIP1 and RIP3 in TNF-Induced Necrosis
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Programmed necrosis in response to TNF requires the activity of two serine-threonine kinases.

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Profiles in Technological Adaptation
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With assists from technology, these scientists and engineers are getting their work done.

Taken for Granted: Trying to Account for Tastes
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PERSPECTIVE: Toward an Oligonucleotide Therapy for Duchenne Muscular Dystrophy—A Complex Development Challenge
M. J. A. Wood

By correcting the reading frame in mutant DMD genes, antisense oligonucleotides can restore the production of missing dystrophin protein.

COMMENTARY: Complexity in Common Diseases—Big Biology for All
J. R. Lamb and N. Gibson

Discovery of diagnostic tools and treatments for common human diseases requires integrating research in academic and industrial institutions.

RESEARCH ARTICLE: Plasmacytoid Dendritic Cells Delineate Immunogenicity of Influenza Vaccine Subtypes
S. Koyama et al.

Rare, circulating dendritic cells differentially shape the immunogenicity mechanisms for protection against H1N1 influenza.

RESEARCH ARTICLE: Microfluidic Isolation and Molecular Characterization of Circulating Tumor Cells from Patients with Localized and Metastatic Prostate Cancer
S. Stott et al.

Automated imaging of prostate-specific cancer cells from the blood provides a measure of circulating tumor cell half-life after tumor resection.

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