Arachnoscelis magnifica, a predaceous katydid (Orthoptera: Tettigoniidae), on a leaf in the San Lorenzo forest of Panama. This attractive insect is but one of the ~25,000 arthropod species likely to live in this 6000-hectare forest, confirming the formidable diversity of arthropods, which appears to be 300 times that of mammals in tropical rainforests. See page 1481.

Photo: Maurice Leponce, Royal Belgian Institute of Natural Sciences
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1435 Epigenetic Regulation by Long Noncoding RNAs
J. T. Lee
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1440 Aggravating Genetic Interactions Allow a Solution to Redundancy in a Bacterial Pathogen
T. J. O’Connor et al.
Insertional mutagenesis and depletion dissects the interplay between intracellular Legionella pneumophila and its host.

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1445 A Universal Scaling for the Energetics of Relativistic Jets from Black Hole Systems
R. S. Nemmen et al.
Jets from black holes of differing masses show the same energy-dissipation efficiency, suggesting similar production mechanisms.

1448 Texture of Nanocrystalline Nickel: Probing the Lower Size Limit of Dislocation Activity
B. Chen et al.
A metal subjected to high pressures retains the activity of dislocations, even for very small grain sizes.

1452 Small Gold Clusters Formed in Solution Give Reaction Turnover Numbers of $10^7$ at Room Temperature
J. Oliver-Meseguer et al.
Three- to ten-atom gold clusters formed from gold salts and complexes are highly active catalysts for organic reactions.
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1455 Enantioselective Heck Arylations of Acyclic Alkenyl Alcohols Using a Redox-Relay Strategy
E. W. Werner et al.
A widely used coupling reaction is adapted by pairing formation of a carbon–carbon bond with oxidation of a nearby alcohol.
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1458 Rapid Folding of DNA into Nanoscale Shapes at Constant Temperature
J. P. J. Sobczak et al.
Complex DNA nanoscale objects may be assembled within minutes in high yields through a process resembling protein folding.

1462 Pheromonal Induction of Spatial Learning in Mice
S. A. Roberts et al.
A male sex pheromone rapidly stimulates learning of place preference that is remembered for about 2 weeks.
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1465 EZH2 Oncogenic Activity in Castration-Resistant Prostate Cancer Cells Is Polycomb-Independent
K. Xu et al.
An epigenetic regulator positively regulates gene expression in cell-based models of hormone-resistant prostate cancer.
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1469 Airn Transcriptional Overlap, But Not Its lncRNA Products, Induces Imprinted Igf2r Silencing
P. A. Latos et al.
A very long noncoding RNA acts to silence its target gene cluster through transcriptional interference.
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1472 A Steroid Receptor–MicroRNA Switch Regulates Life Span in Response to Signals from the Gonad
Y. Shen et al.
The mechanism by which removal of signals from the reproductive organs promotes longevity in nematodes is elucidated.

1476 Hox Genes Regulate Digit Patterning by Controlling the Wavelength of a Turing-Type Mechanism
R. Sheth et al.
Mouse genetics and computer modeling suggest that a reaction-diffusion mechanism defines digit pattern.
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1481 Arthropod Diversity in a Tropical Forest
Y. Basset et al.
Total arthropod species richness in a tropical rainforest can be best predicted by plant diversity.
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A. Kreso et al.
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EF-P Is Essential for Rapid Synthesis of Proteins Containing Consecutive Proline Residues
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S. Ude et al.
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S. Balasubramaniam et al.
The TIM family of receptors attenuates cell death in kidney cells after injury.

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S. S. Babu et al.
Multiple steps drive the stretch-induced nuclear translocation of the mechanotransducer zyxin.

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E. Verfaillie et al.
Researchers gathered to share the latest findings on Wnt signaling in development and disease.

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B. Burtness et al.
Targeted inhibitors used in cancer treatments may have adverse effects on immune responses.

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P. D. Bos and A. Y. Rudensky

RESEARCH ARTICLE: Expression of ROR\(\gamma\) Marks a Pathogenic Regulatory T Cell Subset in Human Colon Cancer
N. R. Blatner et al.
\(\text{T}_{\text{reg}}\) cells that expand in human colon cancer have proinflammatory properties and contribute to tumor progression.

PERPECTIVE: Pluripotent Stem Cells—Imune to the Immune System?
J. I. Pearl et al.
The immunogenicity of pluripotent stem cells will dictate the type of immunosuppression needed for cell therapy.

RESEARCH ARTICLE: Dantrolene Enhances Antisense-Mediated Exon Skipping in Human and Mouse Models of Duchenne Muscular Dystrophy
G. C. Kendall et al.
A ryanodine receptor antagonist facilitates exon skipping for treatment of Duchenne muscular dystrophy.

RESEARCH ARTICLE: Ser^{1292} Autophosphorylation Is an Indicator of LRRK2 Kinase Activity and Contributes to the Cellular Effects of PD Mutations
Z. Sheng et al.
LRRK2 Ser^{1292} autophosphorylation may be useful for screening candidate LRRK2 inhibitors.

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M. Price
In implementing the recommendations of its workforce working group, NIH decides to play it safe.

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A. Ruben
Despite what grad school admissions committees seem to believe, outside interests are good.

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E. Pain
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