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Image: NASA/JPL-Caltech/S. Stolovy (Spitzer Science Center/Caltech)
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359 Contribution of Fish to the Marine Inorganic Carbon Cycle
R. W. Wilson et al.
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362 Morphogenesis of Self-Assembled Nanocrystalline Materials of Barium Carbonate and Silica
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366 Broadband Ground-Plane Cloak
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376 A Single Gene Causes Both Male Sterility and Segregation Distortion in Drosophila Hybrids
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A Drosophila gene that causes sterility in the offspring of two species and may be important for speciation causes increased transmission of itself to progeny.

379 The Dynamics and Time Scale of Ongoing Genomic Erosion in Symbiotic Bacteria
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396 Molecular Mechanisms of HipA-Mediated Multidrug Tolerance and Its Neutralization by HipB
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The Fastest Way to Change a Species: Start Eating It

Financial traders with relatively long ring fingers bring home the dough. Researchers find oldest example of feathers used for display. Are You a Moneymaker? Look at Your Hands

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Interactions among mutation, germination timing, and climate alter flowering patterns in Arabidopsis. 10.1126/science.1165826

A Genetic Defect Caused by a Triplet Repeat Expansion in Arabidopsis thaliana
S. Sureshkumar et al.
A strain of Arabidopsis provides a plant model for the harmful effects of repeat nucleotide expansions in populations. 10.1126/science.1164014

Effects of Genetic Perturbation on Seasonal Life History Plasticity
D. Liu et al.
The mechanism for sensing tension across chromosome pairs before mitotic separation relies on the distance between enzyme and substrate. 10.1126/science.1167000

SCIENCECAREERS
www.sciencecareers.org/career_development
Free Career Resources For Scientists Tooling Up: The Job Seeker’s Lexicon
D. Jensen
Job seekers need to interpret the jargon used in job ads and interviews.

Astronomer Finds Rewards in Outreach
L. Laursen
Cameron Hummels is a student ambassador representing NASA during the International Year of Astronomy.

NETWATCH: Cytoscape
Cytoscape is an expandable, open-source network analysis software platform; in Bioinformatics Resources.

NETWATCH: The Human Protein Atlas
An antibody-based proteomics database provides tissue-specific expression data for a growing list of human proteins; in Protein Databases.

NETWATCH: Science Webinar Series
Watch live and archived online seminars sponsored by Science/AAAS; in Web Broadcasts.

A History of Beginnings
L. Laursen
A History Of Beginnings

SCIENCEPERSPECTIVE: Growth and Patterning in the Limb—Signaling Gradients Make the Decision
Y. Yang
Signaling gradients coordinately regulate proliferation and cell fate determination in the developing limb.

PODCAST
J. D. Scott et al.
The scaffold protein mAKAP localizes factors important for the cellular response to hypoxia.

SCIENCEPERSPECTIVE: Expansion in the Number of Human Protein Coding Genes
A. M. Wilczek et al.
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Strong Release of Methane on Mars in Northern Summer 2003
M. J. Mumma et al.
Earth-based spectrometers have detected seasonal variations of methane emissions from certain locations on Mars in 2003. 10.1126/science.1165243

Signaling gradients coordinately regulate proliferation and cell fate determination in the developing limb.