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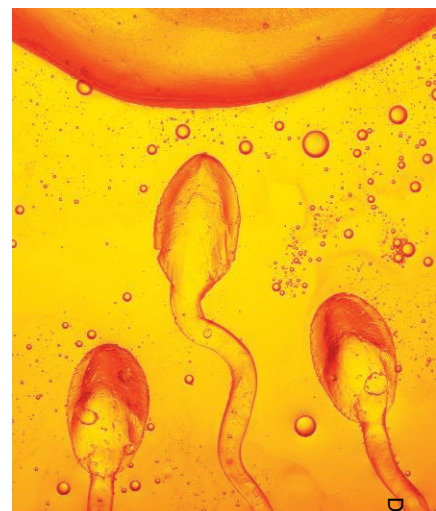
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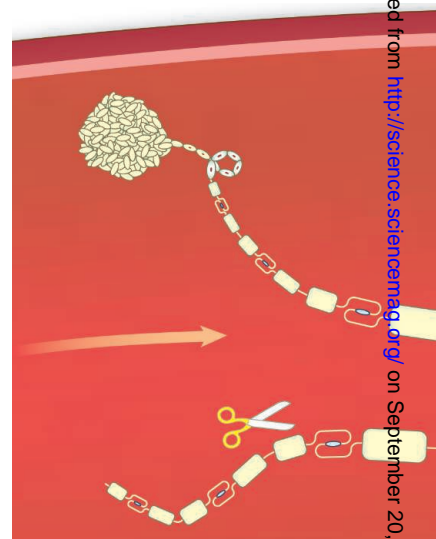
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Herbert Newman's 1960s love song about the birds, bees, flowers, and trees inspired this cover, which celebrates the sixth essay, "On the Origin of Sexual Reproduction," in *Science's* monthly series honoring Darwin's 200th birthday. See page 1254.

Photos: Getty Images (birds, flower, tree); iStockphoto.com (bee)

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- 1327** Rhes, a Striatal Specific Protein, Mediates Mutant-Huntingtin Cytotoxicity

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- 1330** Mechanoenzymatic Cleavage of the Ultralarge Vascular Protein von Willebrand Factor

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- 1334** Halofuginone Inhibits T<sub>H</sub>17 Cell Differentiation by Activating the Amino Acid Starvation Response

*M. S. Sundrud et al.*

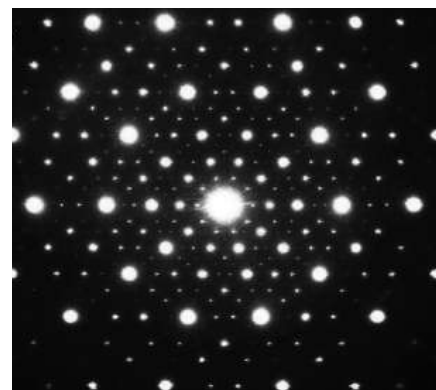
Activation of the amino acid starvation response inhibits differentiation of a subset of inflammatory T cells.

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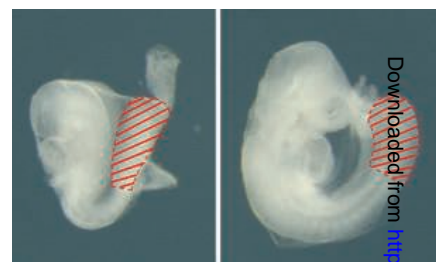
- 1338** Endogenous Activation Patterns of Cdc42 GTPase Within *Drosophila* Embryos

*D. Kamiyama and A. Chiba*

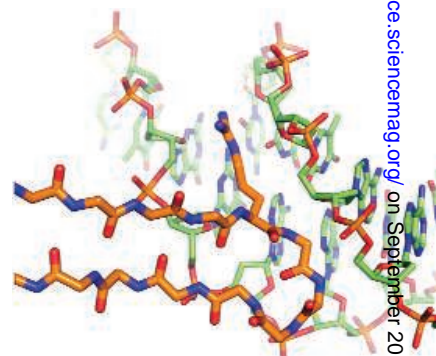
Bioprobe imaging reveals precise patterns of activation for a signaling protein in the neurons of intact animals.



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10.1126/science.1164566

### Extending Universal Nodal Excitations Optimizes Superconductivity in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$

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Scanning tunneling spectroscopy reveals strong electronic correlations in the insulating state of a cuprate superconductor.

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### RIP3, an Energy Metabolism Regulator That Switches TNF-Induced Cell Death from Apoptosis to Necrosis

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The protein kinase RIP3 mediates necrotic cell death, likely through regulation of metabolic enzymes.

10.1126/science.1172308

## SCIENCENOW

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Highlights From Our Daily News Coverage

### Thin the Air, Save the Biosphere?

A team suggests a way to prevent plant Armageddon.

### Embryonic-Like Cells Advance Toward Disease Treatment

Researchers find ways to increase safety and to generate genetically tailored cells.

### A Billion-Year Hard Drive

A new process could preserve digital data, essentially forever.

## SCIENCESIGNALING

[www.sciencesignaling.org](http://www.sciencesignaling.org)

The Signal Transduction Knowledge Environment

### RESEARCH ARTICLE: Involvement of the Protein Kinase CK2 in the Regulation of Mammalian Circadian Rhythms

Y. Tsuchiya et al.

Protein kinase CK2 promotes PERIOD2 degradation and modulates the mammalian circadian clock.

### PERSPECTIVE: Allosteric Effects Govern Nuclear Receptor Action—DNA Appears as a Player

H. Gronemeyer and W. Bourguet

DNA sequences regulate glucocorticoid receptor activity.

## NETWATCH: PANTHER

Explore a database of proteins classified by function; in Bioinformatic Resources.

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Learn about the cell biology of cancer through interactive multimedia resources; in Educator Sites.

## SCIENCECAREERS

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Free Career Resources for Scientists

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## SCIENCEPODCAST

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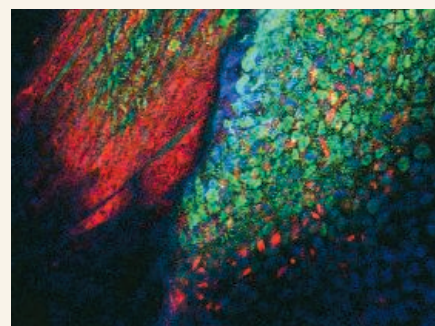
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A History of Beginnings

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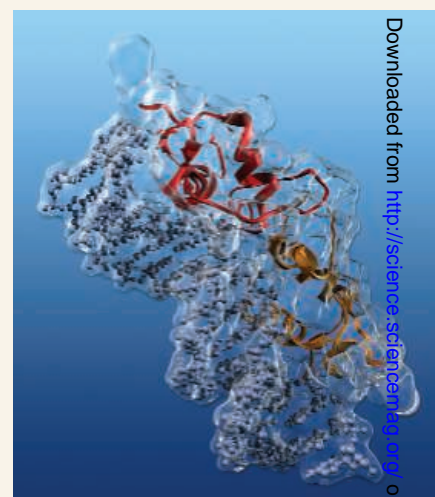
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## SCIENCENOW

Genetically corrected cells.



## SCIENCESIGNALING

Glucocorticoid receptor–DNA complex.

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