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COVER

Saturn and its rings as seen by the Cassini orbiter. Saturn's rings contain innumerable chunks of water ice polluted by material of varying color and composition. The massive B ring (bottom) and the tenuous C ring (closest to the planet) are dominated by unexplained structure. Saturn's yellowish appearance signifies a deep cloud layer beneath seasonal haze. See pages 1470 and 1476.

Image: NASA/JPL/CICLOPS

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1506 Seminal Fluid Mediates Ejaculate Competition in Social Insects

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J. von Engelhardt et al.

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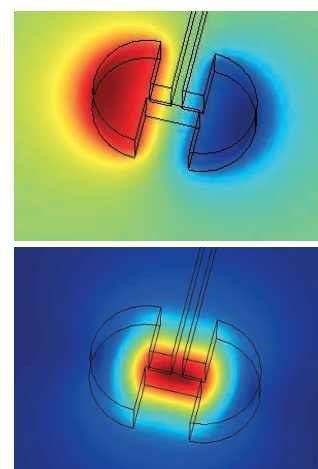
1522 Circadian Gating of the Cell Cycle Revealed in Single Cyanobacterial Cells

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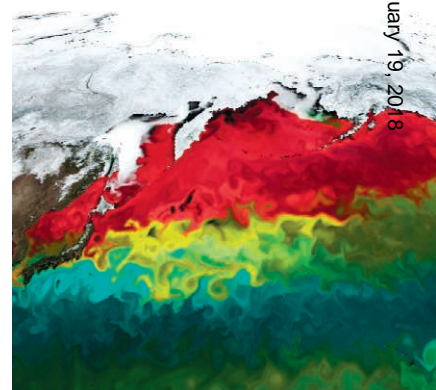
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10.1126/science.1182868

Resolving Mechanisms of Competitive Fertilization Success in *Drosophila melanogaster*

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Fluorescently labeled sperm allow direct visualization of their activity within the female reproductive tract of flies.
10.1126/science.1187096

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Carbon-Capture Method Could Poison Oceans

Fertilizing algae with iron boosts levels of harmful neurotoxin.

CSI's Latest Clue—Bacteria

Unique skin microbes might allow identification of criminals.

Psychopaths Keep Their Eyes on the Prize

The brain's overreaction to rewards may lead to impulsive, antisocial behavior.

SCIENCE SIGNALING

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RESEARCH ARTICLE: Cholinergic Augmentation of Insulin Release Requires Ankyrin-B

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RESEARCH ARTICLE: Inferring Signaling Pathway Topologies from Multiple Perturbation Measurements of Specific Biochemical Species

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RESEARCH ARTICLE: A Loss-of-Function Screen Reveals Ras- and Raf-Independent MEK-ERK Signaling During *Chlamydia trachomatis* Infection

R. K. Gurumurthy et al.

A siRNA-based screen of host factors that influence infection by *Chlamydia* reveals the decoupling of the canonical Ras-ERK signaling pathway.

SCIENCE CAREERS

www.sciencereers.org/career_magazine

Free Career Resources for Scientists

Mind Matters: Back to Work After a Baby

I. S. Levine

Dropping off an infant and returning to work is stressful for new mothers.

Tooling Up: I'm Special, Aren't You?

D. Jensen

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Going Home to a Changing Poland

E. Pain

Reforms in Poland give molecular biologist Agnieszka Chacinska hopes for the future.
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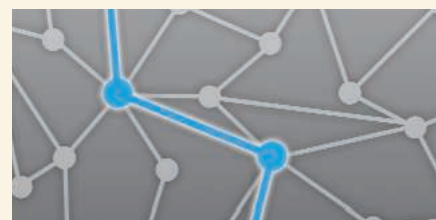
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Integrating Medicine and Science

PERSPECTIVE: Finding New Cures for Neurological Disorders—A Possible Fringe Benefit of Biodefense Research?

D. A. Jett

Drugs developed to treat exposure to toxic chemicals might help cure conditions such as stroke, epilepsy, and neurodegenerative diseases.



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B. L. Loeys et al.

PERSPECTIVE: Stiff and Tight Skin—A Rear Window into Fibrosis Without Inflammation

E. V. Avvedimento and A. Gabrielli

Mutations in the fibrillin-1 gene that cause a rare congenital form of scleroderma shed light on a common fibrotic condition.

RESEARCH ARTICLE: Targeting Robo4-Dependent Slit Signaling to Survive the Cytokine Storm in Sepsis and Influenza

N. R. London et al.

Blunting the increased vascular permeability caused by immune responses to Slit ligand increases survival in models of sepsis and viral infection.

SCIENCE PODCAST

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Download the 19 March *Science* Podcast to hear about the biology behind learning deficits at puberty, a three-dimensional invisibility cloak, and the Nile delta's sinking future.

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