

COVER

Wealthy nations now devote billions of dollars each year to helping low- and middle-income countries confront HIV/AIDS epidemics. Investment in biomedical research has also shot up. What has come of this flood of money? And will there be enough in the future to meet increasing demands? See the special section beginning on page 511.

Image: Kelly Krause/Science

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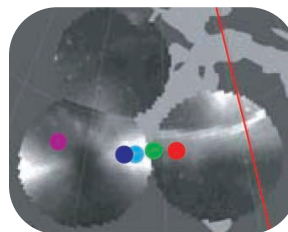
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The Metamorphosis of Supernova SN 2008D/XRF 080109: A Link Between Supernovae and GRBs/Hypernovae

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The spectra of a recent supernova evolved from that of a more energetic event to that of a less energetic one, providing a link between previous observations.

10.1126/science.1158088

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Human *CHN1* Mutations Hyperactivate α 2-Chimaerin and Cause Duane's Retraction Syndrome

N. Miyake et al.

A signaling protein that helps nerve fibers find their correct target muscles is required for innervation of the eye muscles and, if defective, causes an eye movement disorder.

10.1126/science.1156121

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Tail Reconnection Triggering Substorm Onset

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Satellite and ground-based data show that reconnection of magnetic field lines in Earth's magnetotail precedes dramatic aurora displays and is the source of magnetic substorms.

10.1126/science.1160495

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Flies with mutant mitochondria—generated by introduction of restriction enzymes—show many of the same phenotypes as humans with mitochondrial mutations.



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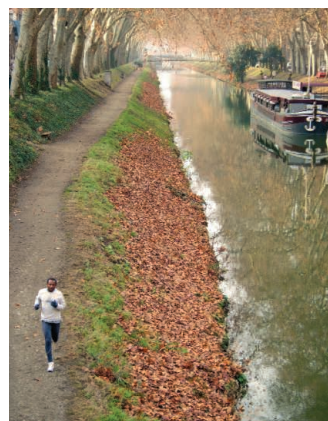
Scientists pinpoint the genetic change that gives gray horses their color.

The Thinking Bladder

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P. Gosling and B. Noordam

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P. Fiske

Retool your online presence as a lean, mean, job-seeking machine.

Mind Matters: Get Moving

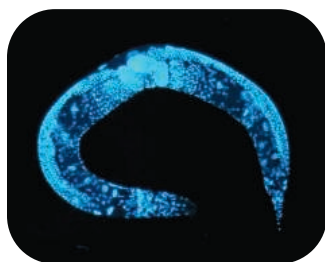
I. S. Levine

Physical activity is a great way to reduce stress and boost your productivity.

The Science Careers Blog

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Here's where to find information from around the Web on careers in the sciences.



C. elegans, the subject of WormBook.

SCIENCE SIGNALING

www.sciencesignaling.org

THE SIGNAL TRANSDUCTION KNOWLEDGE ENVIRONMENT

PERSPECTIVE: A New TRADDITION in Intracellular Antiviral Signaling

E. M. Pietras and G. Cheng

The tumor necrosis factor (TNF) receptor-associated death domain (TRADD) adaptor protein plays a role in the antiviral response.

ST NETWATCH: WormBook

WormBook is a collection of reviews about *Caenorhabditis elegans* biology; in Model Organisms.

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