

COSMOLOGY  
Goldilocks Black Holes

BIOLOGY  
Magnetic Sensing in Animals

COMPUTING  
Technology to Predict Crime

# SCIENTIFIC AMERICAN

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## THE PATHWAY OF YOUTH?

New insights into the body's aging-control system



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What if human aging could be slowed? Beyond giving us more years of life, the intervention should postpone cancer, diabetes and other age-related diseases, keeping us vibrant longer. Recent research has revealed a molecular regulator of aging and raised hopes that medicines might one day act on it to help us achieve those aims. Photograph by Evan Kafka.



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Biologists have uncovered an ancient mechanism that retards aging. Drugs that tweaked it could well postpone many debilitating diseases of old age. *By David Stipp*

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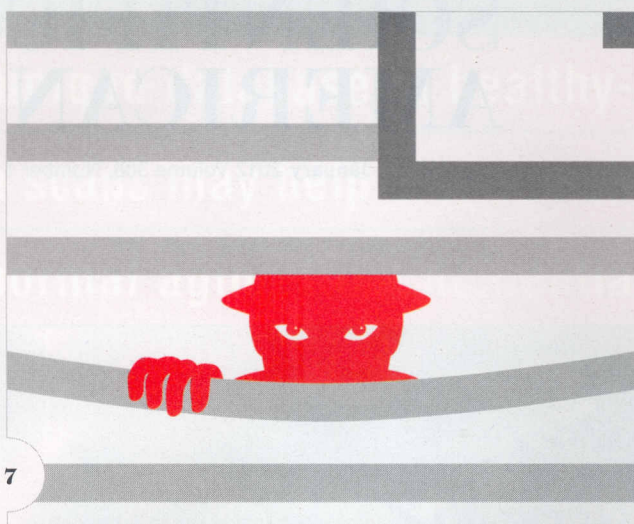
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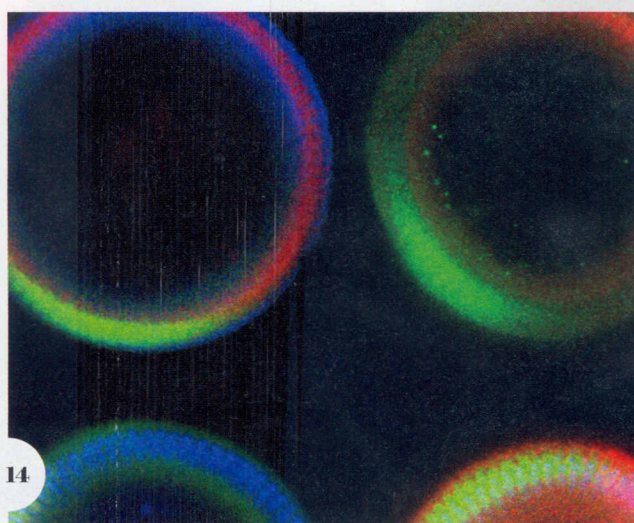
### Top 10 Science Stories of 2011

A giant earthquake and tsunami devastated Japan, the space shuttle program completed its 30-year run and the tech world lost a titan of innovation. These are among the stories that shaped the science world in 2011.

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