# **DISCOVER**

## CONTENIDO

# VOLUME 32 No. 8, OCTOBER 2011

# THE WORLD IS FULL OF PROBLEMS. SCIENCE HAS SOLUTIONS.

#### **33** The cure for Everything.

Bug Bites, Nuclear Fallout, Traffic, Murder, Data Overload, Air Travel, and more.

- 42 **The end of Aids.** *Jill Neimark.*
- 51 **There's a Shot for that.** Jessica Snyder Sachs.
- 58 **Biohackers.** Delthia Ricks.
- 3 **Mail.**
- 4 Editor's Note.

## 8 Data.

A seismic threat to the U.S. heartland, how soil and tress sequester CO2, the deepest underground animal ever found, engineering a superstrong One World Trade Center, a lizard-like rescue bot, the future of broadband, snail survivors, how the Forest Service saved baseball, and more.

19 Hot Science.

The wonders of the open seas, a science film festival, and the best new books, movies, and DVD's.

## 22 **The Brain.**

How did humans acquire language? Fossil genes are helping scientists piece together a convincing answer. *Carl Zimmer.* 

#### 26 Impatient Futurist.

Super clothing that renders you invulnerable to attack and accident without busting your budget.

## David H. Freedman.

#### 28 Vital Signs.

A toddler has a life-threatening mass encasing his trachea, and it's not what his doctors expected. Roy Smytle.

#### 30 **Out There.**

Are there universes beyond our own, or is the idea just idle academic musing? A renowned cosmologist offers some surprising answers in the debut of our new column.

Sean Carroll.

#### 20 Things You Didn't Know About Fire. 80

LeeAundra Keany.