SCIENCE NEWS

CONTENIDO

VOLUME 180 No. 14, DECEMBER 2011

IN THE NEWS

5 Story One.

• Using electricity, scientists grow an eye in a frog's gut.

8 Earth.

- Precipitation patterns influence geologic hazards.
- Kilauea can get ugly.
- Dead Sea went dry.
- Deep-sea microbes make electric currents.

10 Atom & Cosmos.

- LHC gets whiffs of Higgs.
- Storm chased across Saturn.
- Planet well placed for life.

12 Life.

• Early animal fossils have 200-million-year backstory.

Genes & Cells.

- Egg timer runs faster in worms.
- Cellular spiderweb catches a different kind of bug.
- Pituitary gland assembles itself in a lab dish.

16 Body & Brain.

- Rats have a heart.
- Caffeine target in brain found.
- Bedbugs have big families.
- Vaccine works against emerging chikungunya virus.

• Dengue vaccine effective against all four strains.

18 Matter & Energy.

- Odd superconductor may hold even odder particle.
- Diamonds entangled.
- How ice forms at -48° C.

SPECIAL SECTION

20 Science News of the Year.

COVER STORY: Science News editors and writers survey the top news from the world of science in 2011.

- 20 Science & Society.
- 22 Atom & Cosmos.
- 23 Nutrition.
- 24 Molecules.
- 25 Environment.
- 26 Genes & Cells.
- 27 Body & Brain.
- 28 Body & Brain.
- **30** Life.
- **31** Technology.
- 32 Earth.
- 33 Humans.

DEPARTAMENTS

- **2** From the Editor
- 4 Notebook
- 34 Bookshelf
- 35 Feedback

36 From the Archive

Physicists compete in a race to the bottom with a finish line that can never be reached.

COVER

Floating lanterns in Japan's Fukushima Prefecture commemorate more than 20,000 victims of the March 2011, earth-quake and tsunami. *The Yomiuri Shimbun via AP Images*.