

## SPECIAL SECTION

# Breakthrough of the Year

### WINNER

**1520** Cosmic convergence

### RUNNERS-UP

**1522** A new great ape species

**1523** Life at the atomic level

**1523** Biology preprints take off

**1524** Pinpoint gene editing

**1524** A cancer drug's broad swipe

**1525** Earth's atmosphere 2.7 million years ago

**1526** Deeper roots for *Homo sapiens*

**1526** Gene therapy triumph

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**1529** A bad year for cetaceans

**1529** #MeToo: sexual harassment in science

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### ON THE COVER



Illustration of two neutron stars spiraling into each other. On 17 August 2017, detectors in the United States and Italy spotted gravitational

waves from such an event. Seconds later, a satellite detected a gamma-ray burst, and more than 70 observatories subsequently studied the aftermath in every wavelength. This scientific bonanza (see page 1554) is *Science's* 2017 Breakthrough of the Year (see page 1520). *Illustration: Álvaro Valiño*

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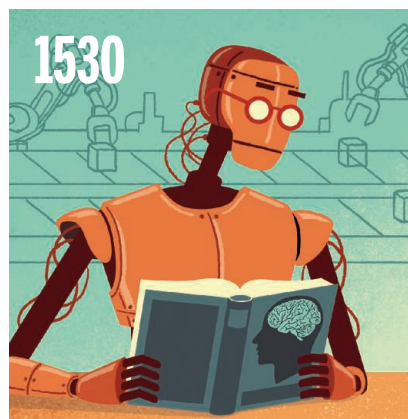
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