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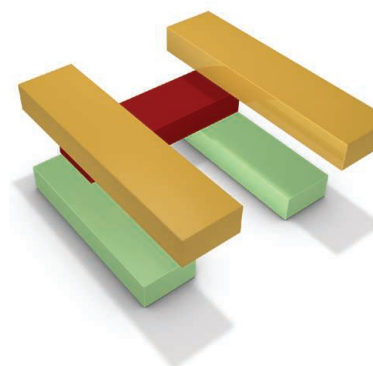
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- 1395 Displacement Above the Hypocenter of the 2011 Tohoku-Oki Earthquake
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COVER

Devastation in Rikuzentakada, Miyagi Prefecture, Japan, following the 11 March 2011 magnitude 9.0 Tohoku-Oki earthquake, which triggered a tsunami that killed more than 20,000 people and a nuclear disaster at the Fukushima Daiichi power plant. Three research papers (pp. 1395, 1421, and 1426) describe the mechanics of the earthquake, determined from seismological and geodetic observations.

Photo: Mainichi Newspaper/AFLO/Newscom

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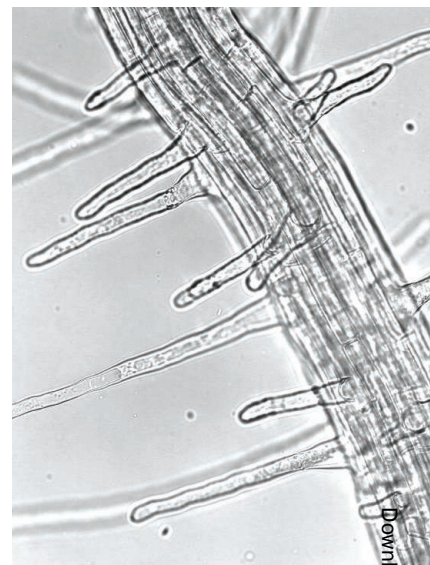
- 1396 **EPOXI at Comet Hartley 2**
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- 1401 **O-Glycosylated Cell Wall Proteins Are Essential in Root Hair Growth**
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An Extremely Luminous Panchromatic Outburst from the Nucleus of a Distant Galaxy

A. J. Levan et al.

A recent bright emission observed by the Swift satellite is due to the sudden accretion of a star onto a massive black hole.

10.1126/science.1207143

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A bacterial pathogen from cancer-associated uncontrolled loss of fat and muscle.

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Terraces in Phylogenetic Tree Space

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Analysis of terraces in phylogenetic space can inform on phylogenetic relationships with greater computational efficiency.

10.1126/science.1206357

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14 June issue: <http://scim.ag/ss061411>

RESEARCH ARTICLE: Structure of a Pentavalent G-Actin•MRTF-A Complex Reveals How G-Actin Controls Nucleocytoplasmic Shuttling of a Transcriptional Coactivator

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PERSPECTIVE: IKKε—A Kinase at the Intersection of Signaling and Membrane Traffic

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Integrating Medicine and Science

15 June issue: <http://scim.ag/stm061511>

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P. Bacchetti et al.

Abandoning false beliefs about sample size planning would facilitate funding and conduct of innovative clinical research with small sample sizes.

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Immune senescence causes resistance to transplantation tolerance that can be functionally restored by targeting sex steroid production.

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Inhibited by G-actin.

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E. Pain

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D. Jensen

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SCIENCE (ISSN 0036-8075) is published weekly on Friday, except the last week in December, by the American Association for the Advancement of Science, 1200 New York Avenue, NW, Washington, DC 20005. Periodicals Mail postage (publication No. 484460) paid at Washington, DC, and additional mailing offices. Copyright © 2011 by the American Association for the Advancement of Science. The title SCIENCE is a registered trademark of the AAAS. Domestic individual membership and subscription (51 issues): \$149 (\$74 allocated to subscription). Domestic institutional subscription (51 issues): \$990; Foreign postage extra: Mexico, Caribbean (surface mail) \$55; other countries (air assist delivery) \$85. First class, airmail, student, and emeritus rates on request. Canadian rates with GST available upon request, GST #1254 88122. Publications Mail Agreement Number 1069624. **Printed in the U.S.A.**

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Science

332 (6036)

Science **332** (6036), 1355-1449.

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