

SPECIAL SECTION

## The Heavily Connected Brain

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Review Summary; for full text:

<http://dx.doi.org/10.1126/science.1238406>

579 Structural and Functional Brain Networks: From Connections to Cognition

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Review Summary; for full text:

<http://dx.doi.org/10.1126/science.1238411>

580 Functional Interactions as Big Data in the Human Brain

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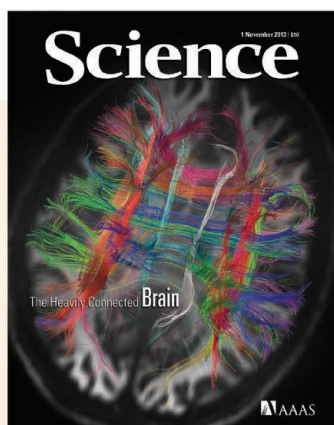
### ON THE WEB THIS WEEK

#### >> Science Podcast

Listen to stories on neural correlates for music and speech learning, understanding the role of scars in spinal cord injury, deep-brain stimulation for depression, and more.

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### COVER

Fiber pathways of a female human brain mapped noninvasively with diffusion magnetic resonance imaging. The image shows an axial view from above (front is at top). Major pathways of the human frontal lobes, and their organization as orthogonal grids, are shown here (cerebral association pathways, vertical; transverse pathways, horizontal). For a description of cortical networks, see the special section beginning on page 577.

Image: Van J. Wedeen, Aapo Nummenmaa, Ruopeng Wang, and Lawrence L. Wald/Athinoula A. Martinos Center for Biomedical Imaging, Massachusetts General Hospital, with support of NIH Human Connectome Project and NSF

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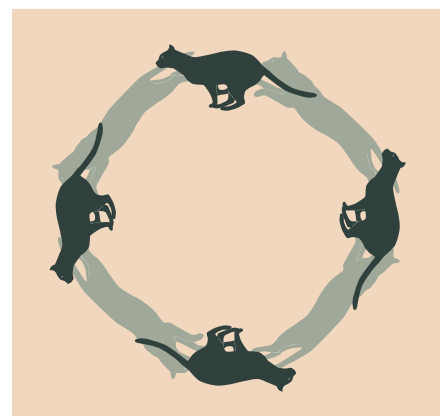
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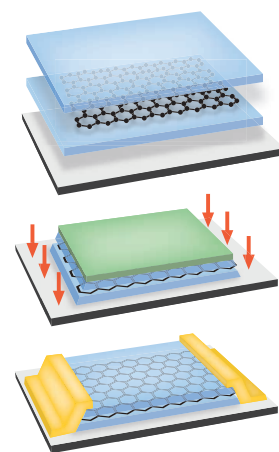
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SCIENCE (ISSN 0036-8075) is published weekly on Friday, except the last week in December, by the American Association for the Advancement of Science, 1200 New York Avenue, NW, Washington, DC 20005. Periodicals Mail postage (publication No. 484460) paid at Washington, DC, and additional mailing offices. Copyright © 2013 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

**342 (6158)**

*Science* **342** (6158), 531-641.

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