EDITORIAL

NEWS OF THE WEEK

NEWS FOCUS

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BOOKS *ET AL.*

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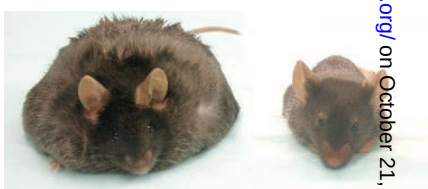
CELEBRATE THE 40TH ANNIVERSARY OF THE APOLLO 11 MOON LANDING

The scientific results of that mission and samples returned from the Moon, published in our 20 January 1970 issue, are now freely available with registration at www.sciencemag.org/apollo11.



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COVER

Average patterns of brain recruitment, as measured by functional magnetic resonance imaging, in children with typical reading development (left) or dyslexia (right) as they sound out printed words. Left-hemisphere brain regions engaged by typical readers, the parietal cortex (upper left) and fusiform gyrus (lower left), are less engaged by dyslexic readers. See page 280.

Photo illustration: Yael Kats (brain scans, Susan Whitfield-Gabrieli and John Gabrieli; background, iStockphoto.com)

DEPARTMENTS

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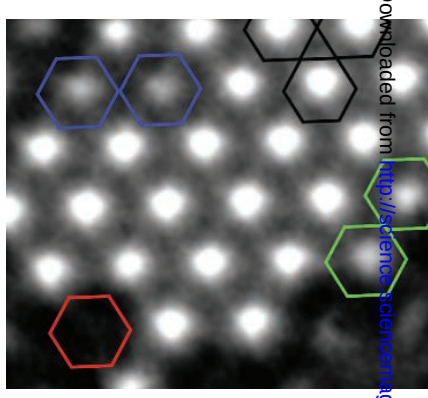

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SCIENCEONLINE

SCIENCEXPRESS
www.sciencexpress.org

Lysine Acetylation Targets Protein Complexes and Co-Regulates Major Cellular Functions
C. Choudhary et al.

A proteomic-scale analysis of protein acetylation suggests that it is an important biological regulatory mechanism.
10.1126/science.1175371

Structure and Mechanism of a Na^+-Independent Amino Acid Transporter
P. L. Shaffer et al.

The structure of the transporter ApcT reveals common architectural principles between proton- and sodium-coupled transporters.
10.1126/science.1176088

Mindblind Eyes: An Absence of Spontaneous Theory of Mind in Asperger Syndrome
A. Senju et al.

Asperger syndrome individuals do not pass a nonverbal false-belief test.
10.1126/science.1176170

An Expressed *Fgf4* Retrogene Is Associated with Breed-Defining Chondrodysplasia in Domestic Dogs
H. G. Parker et al.

The short legs that characterize certain dog breeds are associated with a gene that arose recently by RNA-based gene duplication.
10.1126/science.1173275

Exploring Dark Matter with Milky Way Substructure
M. Kuhlen et al.

Simulations reveal that dark matter in our galaxy could be detected by the Fermi space telescope.
10.1126/science.1174881

Bcl6 and Blimp-1 Are Reciprocal and Antagonistic Regulators of T Follicular Helper Cell Differentiation
R. J. Johnston et al.

The transcription factors that regulate follicular T helper cell differentiation are identified.
10.1126/science.1175870

TECHNICALCOMMENTS

Comment on "Neodymium-142 Evidence for Hadean Mafic Crust"
R. Andreasen and M. Sharma

full text at www.sciencemag.org/cgi/content/full/325/5938/267-a

Response to Comment on "Neodymium-142 Evidence for Hadean Mafic Crust"
J. O'Neil et al.

full text at www.sciencemag.org/cgi/content/full/325/5938/267-b

SCIENCENOW
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Highlights From Our Daily News Coverage

Don't Blame Birds for 1918 Flu
A new paper disputes the idea that an avian strain caused the global disaster.

Futuristic Fibers Could Replace Camera Lenses
New technology could be woven into clothing and other materials.

Holy $@%#! Swearing Eases the Pain
Researchers figure out why we curse when we get hurt.

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RESEARCH ARTICLE: Control of Neuronal Growth Cone Navigation by Asymmetric Inositol 1,4,5-Trisphosphate Signals
H. Akiyama et al.

Measurements of its spatial profile reveal the crucial role of asymmetric IP_3 signals in growth cone navigation.

PERSPECTIVE: Down-Regulating Destruction—Phosphorylation Regulates the E3 Ubiquitin Ligase Nedd4-2
P. M. Snyder

Phosphorylation of Nedd4-2 regulates epithelial Na^+ transport.

GLOSSARY
Find out what ATM, GKAP, and MUP mean in the world of cell signaling.

SCIENCECAREERS
www.sciencecareers.org/career_magazine
Free Career Resources for Scientists

Tooling Up: The Biomanufacturing Career Track
D. Jensen

Biotech companies are hiring problem-solvers for their manufacturing facilities.

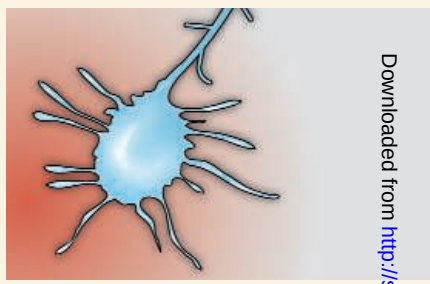
Business Sense: Starting an Academic Lab
S. Webb

Starting your new laboratory requires planning, negotiating, and wise spending decisions.

A Career Revisiting Classical Biological Problems
E. Pain

Nenad Ban earned recognition by cracking the crystal structures of complex macromolecules.

SCIENCENOW
Avian roots?



SCIENCESIGNALING
Growth cone navigation.

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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. The title SCIENCE is a registered trademark of the AAAS. Domestic individual membership and subscription (51 issues): $146 ($74 allocated to subscription). Domestic institutional subscription (51 issues): $835; 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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CREDITS: (*SCIENCE NOW*) HARRIS AND EWING; (*SCIENCE SIGNALING*) CHRIS BICKEL