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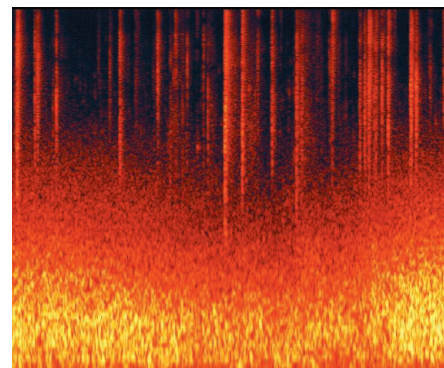
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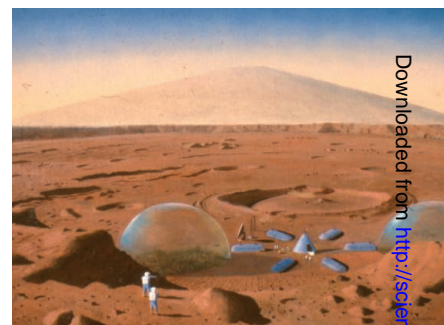
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## ON THE WEB THIS WEEK

### >> Science Podcast

This week's show features a segment on the science of soundscapes and a roundup of shorts from our daily news site.

### >> Find More Online

Check out the latest in a series of Perspectives on Challenges in Climate Science at [www.sciencemag.org/extra/climate](http://www.sciencemag.org/extra/climate).



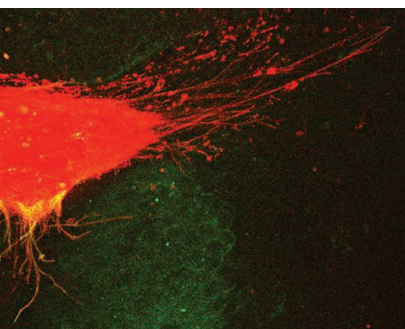
## COVER

Composite image from a molecular animation of how endocytic clathrin-coated vesicles ~100 nanometers in diameter form. Clathrin is the principal molecular scaffold for many cellular membrane trafficking processes. The Gordon Research Conference on Lysosomes and Endocytosis will be held 15 to 20 June 2014 in Andover, New Hampshire. See page 902 for the conference schedule and preliminary programs.

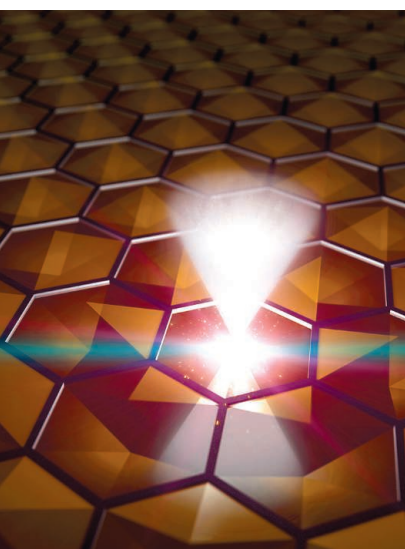
*Image: Janet Iwasa (University of Utah) and Tom Kirchhausen (Harvard Medical School)*

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Transfer of signaling proteins along long filopodia is required for proper development in the fruit fly.  
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- 853** Rhodium-Catalyzed Intermolecular C–H Silylation of Arenes with High Steric Regiocontrol  
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- 857** Dendritic Inhibition in the Hippocampus Supports Fear Learning  
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- 875** The Robustness and Evolvability of Transcription Factor Binding Sites  
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- 878** Structural Insights into Ubiquinone Biosynthesis in Membranes  
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- 881** Flavivirus NS1 Structures Reveal Surfaces for Associations with Membranes and the Immune System  
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The structure of a viral protein provides a basis for understanding its function and could guide vaccine development.  
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- 888** Action Monitoring and Medial Frontal Cortex: Leading Role of Supplementary Motor Area  
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- 891** Grid-Layout and Theta-Modulation of Layer 2 Pyramidal Neurons in Medial Entorhinal Cortex  
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- 896** Island Cells Control Temporal Association Memory  
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- 873** “Nonswellable” Hydrogel Without Mechanical Hysteresis  
H. Kamata et al.  
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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 © 2014 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

**343 (6173)**

*Science* **343** (6173), 813-931.

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