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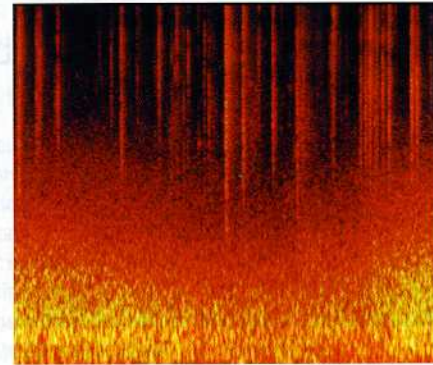
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ON THE WEB THIS WEEK

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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.



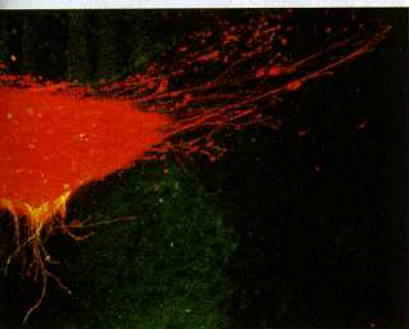
COVER

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.
Research Article Summary; for full text:
<http://dx.doi.org/10.1126/science.1244624>
>> *Perspective p. 848*
- 853 **Rhodium-Catalyzed Intermolecular C–H Silylation of Arenes with High Steric Regiocontrol**
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A catalyst that adds silyl groups to specific sites on aryl rings could streamline synthesis of pharmaceutical intermediates.
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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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- 885 **Growth Factors Engineered for Super-Affinity to the Extracellular Matrix Enhance Tissue Healing**
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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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C. S. Haines et al.
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>> *Perspective p. 845*
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H. Kamata et al.
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