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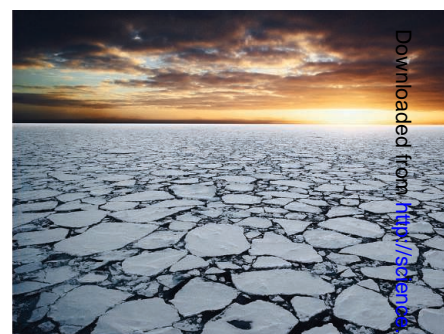
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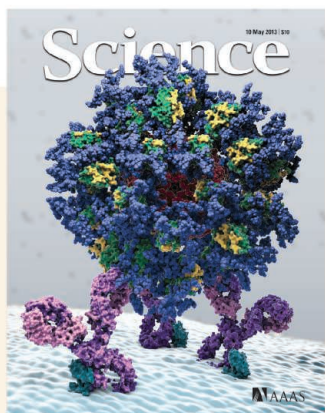


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ON THE WEB THIS WEEK

>> **Science Express**
Read articles on the formation of cirrus clouds, the evolution of Arctic polar climate, and the common origin of water on Earth and the Moon.

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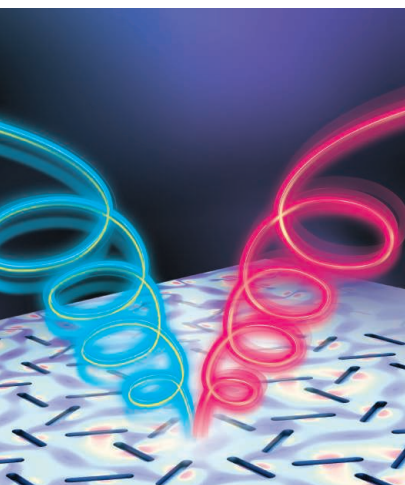
COVER

Model of a candidate HIV vaccine prime immunogen (center) engaging germline B cell receptors (bottom) to initiate an antibody immune response. The immunogen is a virus-like nanoparticle, ~30 nanometers in diameter, displaying 60 copies of an HIV gp120 outer domain protein engineered to bind germline precursors of specific broadly neutralizing antibodies. This work has promising implications for HIV vaccine research. See page 711.

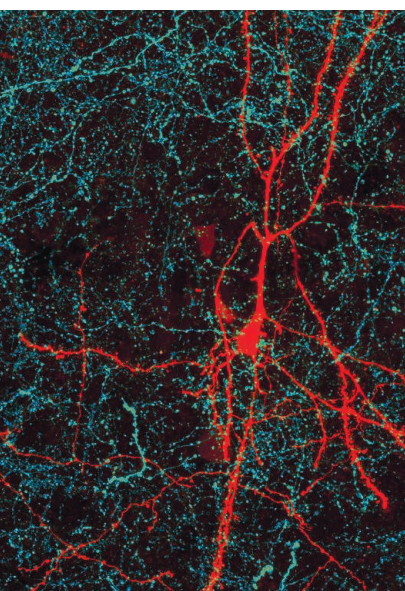
Image: Christina Corbaci, Adam Gardner, Joe Jardine, Sergey Menis, and William Schief, The Scripps Research Institute

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>> *Science Podcast*
- 711 **Rational HIV Immunogen Design to Target Specific Germline B Cell Receptors**
J. Jardine et al.
Structural knowledge of broadly neutralizing antibodies against HIV-1 guides the design of an immunogen to elicit them.

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C. Ott et al.
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- 720 **Multiscale Modeling of Membrane Rearrangement, Drainage, and Rupture in Evolving Foams**
R. I. Saye and J. A. Sethian
A model is developed to describe the complex dynamics of dry foams across a range of time and length scales.
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N. Shitrit et al.
Designed arrays of metallic nanoantennas provide a route for the polarization-dependent propagation of light.
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E. Harris et al.
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