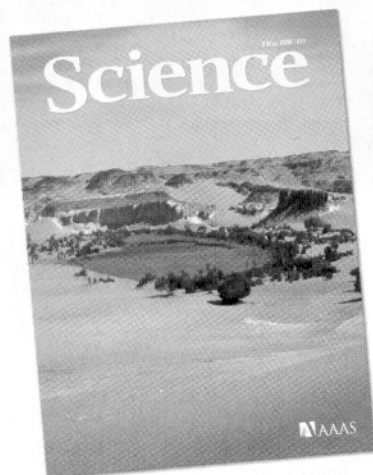




COVER

Lake Boku at the Ounianga oasis in remote northeastern Chad, one of the few remaining bodies of water in the almost rainless Sahara. Still sustained by fossil groundwater dating from the humid past, it is doomed because of encroaching dunes. See page 765.

Photo: S. Kröpelin

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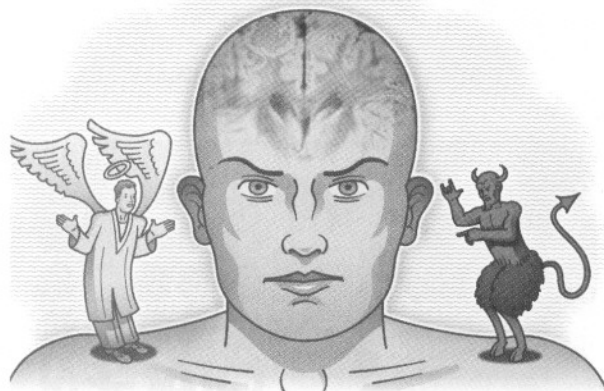
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A brain region linked to emotion-processing systems is activated as humans weigh fairness to an individual against benefit for a group.

>> *News story p. 734*

10.1126/science.1153651

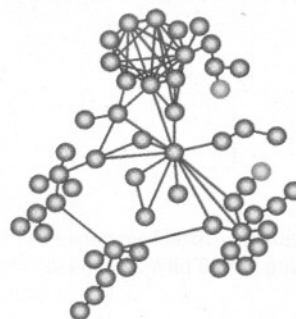
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Anticipatory Behavior Within Microbial Genetic Networks

I. Tagkopoulos, Y.-C. Liu, S. Tavazoie

Predictable sequences of environmental signals can be exploited by bacteria so that they learn to anticipate future metabolic needs and thereby gain a competitive edge.

10.1126/science.1154456



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An in Vivo Map of the Yeast Protein Interactome

K. Tarassov et al.

A method that identifies pairs of proteins that are 8 nanometers apart produces a map of interacting proteins in living yeast, finding known and previously unknown networks.

10.1126/science.1153878

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full text at www.sciencemag.org/cgi/content/full/320/5877/746d

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S. B. Das et al.

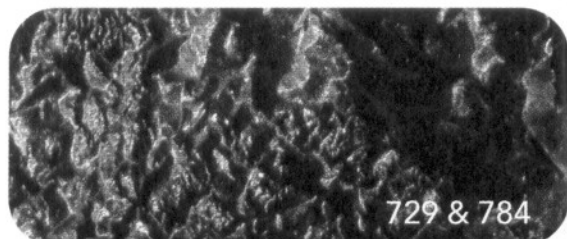
A large lake on the surface of the Greenland Ice Sheet drained out through and along the base of the Ice Sheet within 2 hours, revealing an efficient basal hydrological system.

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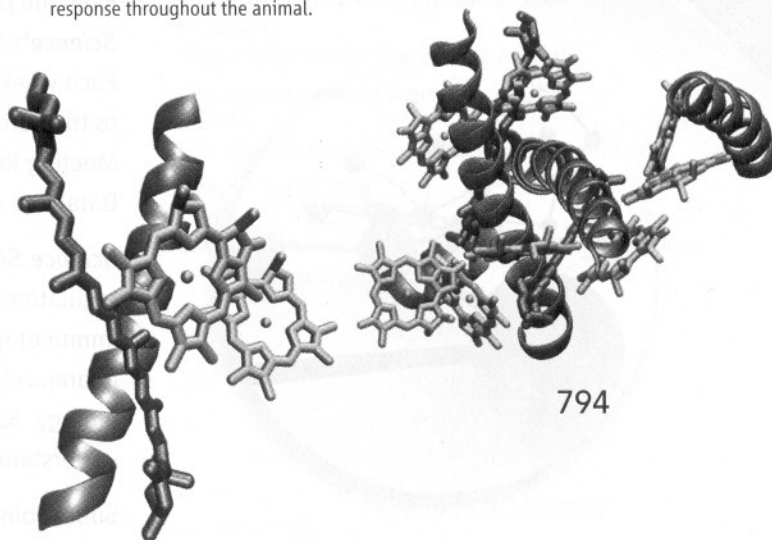
A systematic, functional screen of extracellular proteins in yeast identified a previously unknown receptor-ligand pair: the cytokine interleukin-34 and its receptor.

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