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Read Reports on self-assembling peptide cages, explaining a missing spleen, and more.

COVER
Reconstruction of a ~2-million-year-old Australopithecus sediba skeleton (height: ~1.3 meters) based on fossils from the Malapa Hominin 1 (MH1), MH2, and MH4 specimens from Malapa, Gauteng, South Africa. Brown indicates discovered fossils. Au. sediba exhibits a mosaic morphology distinct from that of other australopiths and early Homo. See pages 132 and 163, as well as www.sciencemag.org/extra/sediba.

Reconstruction: Peter Schmid and casting technicians at the University of the Witwatersrand’s Evolutionary Studies Institute; Photo: Brett Eloff, courtesy of Lee R. Berger and the University of the Witwatersrand.

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X. Wang et al.
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The vibrational spectrum of an intermediate involved in ozone chemistry may facilitate its direct study in the atmosphere.

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J. K. Grauman et al.
RNA chaperones promote assembly of complex RNA structures by binding to and “neutralizing” guanosine bases.

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A modification on histone H3 in a nucleosome favors the swapping out of one type of H2A histone for another.

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Blockade of type I interferons leads to better control of persistent lymphocytic choriomeningitis virus infection.

207 Persistent LCMV Infection Is Controlled by Blockade of Type I Interferon Signaling
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T. Kim et al.
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