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44 The Long-Term Stability of the Human Gut Microbiota
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Low-error sequencing data suggest that initial microbial colonizers of infant guts could persist over the life span of an individual.
Research Article Summary; for full text: http://dx.doi.org/10.1126/science.1237439
45 Bringing Ecosystem Services into Economic Decision-Making: Land Use in the United Kingdom
I. J. Bateman et al.
The value of using land for recreation and wildlife, not just for agriculture, can usefully factor into planning decisions.

ON THE WEB THIS WEEK
>> Science Podcast
Listen to stories on ultrahigh magnetoresistance at room temperature, tracing the roots of plant domestication, bird brains in the PET scanner, and more.
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Check out Science Express, our podcast, videos, daily news, our research journals, and Science Careers at www.sciencemag.org.
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N. Bouché et al.
Observations of gas near a star-forming galaxy reveal kinematic signatures expected from gas inflowing onto the galaxy.

53 A Population of Fast Radio Bursts at Cosmological Distances
D. Thornton et al.
Radio telescope data revealed four short, extragalactic, nonrepeating bursts of radio emission whose source is unknown.

56 Ultrafast Three-Dimensional Imaging of Lattice Dynamics in Individual Gold Nanocrystals
J. N. Clark et al.
An x-ray free-electron laser is used to probe the elastic modes of a gold nanocrystal.

59 Chiral Symmetry Breaking in Superfluid $^3$He-A
H. Ikekami et al.
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62 Crystal Structure Determination of the Nonclassical Z-Norbornyl Cation
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H. Hasunuma et al.
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A complex of a guidance molecule and its receptor reveals how signals cross the membrane.

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Regulating an RNA helicase in the eukaryotic splicing reaction involves intermittent blockade of the catalytic tunnel.

84 Monitoring Drug Target Engagement in Cells and Tissues Using the Cellular Thermal Shift Assay
D. Martinez Molina et al.
A method to monitor drug binding to proteins in cells may help in target validation and drug optimization.

88 Engineered SIRPα Variants as Immunotherapeutic Adjuvants to Anticancer Antibodies
K. Weiskopf et al.
CD47 antagonists augment the effectiveness of antibody-mediated tumor immunotherapy in mice.