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ON THE WEB THIS WEEK
>> Policy Podcast
Listen to an interview with outgoing Science Editor-in-Chief Bruce Alberts.
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Check out Science Express, our podcast, videos, daily news, our research journals, and Science Careers at www.sciencemag.org.

COVER
Can science do more to help the world’s poor? India is a test bed for innovative approaches to poverty reduction. India’s wheat crop is critical to the nation’s food security. Farmers across the country now use their cell phones to send pest sightings and growing conditions to the Directorate of Wheat Research in Karnal, headed by Indu Sharma (pictured). See the Editorial on page 1015 and the News story on page 1032.

Photo: Pallava Bagla

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An Adaptive Response to Uncertainty. Depends on past conditions, may be an adaptive response to uncertainty. Contrast effects, in which current behavior depends on past conditions, may be an adaptive response to uncertainty.

M. Goellet et al.

Local extinction of large fruit-eating birds selects for reduction of seed size in a tropical forest palm.

D. P. Mersch et al.

Monitoring of individually tagged worker ants revealed three distinct groups that greatly differ in behavior.

S. Bergonzini et al.

MicroRNAs regulate perennial flowering.

A. Tumor Suppressor Complex with GAP Activity for the Rag GTPases That Signal Amino Acid Sufficiency to mTORC1

L. Bar-Peled et al.

A protein complex identified as a negative regulator of the mTORC1 protein kinase complex has tumor suppressor functions.

N. Kono et al.

Phosphatidylinositol phosphates may play a role in lipid-transfer protein–mediated vitamin E efflux from hepatocytes.

S. Bergonzini et al.

MicroRNAs regulate perennial flowering.

H. Kato et al.

The structural links between the chromosomal centromere protein CenH3 and the kinetochore protein CENP-C are determined.

J. S. McIlellan et al.

The prefusion conformation of respiratory syncytial virus protein F has been trapped by a neutralizing antibody.