IN BRIEF
842 Roundup of the week’s news

IN DEPTH
844 LEAF BACTERIA FERTILIZE TREES, RESEARCHERS CLAIM
Free-living nitrogen fixers defy textbooks and could boost crop production By E. Pennisi

845 ALARM OVER A SINKING DELTA
Rise and Fall project seeks ways to slow land subsidence in Vietnam’s populous Mekong delta By C. Schmidt

846 CANADIAN REGISTRY TO TRACK THOUSANDS OF POT SMOKERS
Data could answer questions about safety, efficacy, and dosage By L. Wade

847 ANCIENT DNA PINPOINTS PALEOLITHIC LIASON IN EUROPE
Romanian fossil was the great-great-great-grandson of a Neandertal—but an evolutionary dead end By A. Gibbons

848 E.U. COMMISSION PROMISES TO LISTEN TO SCIENTISTS
Panel of seven top scientists to act as watchdog of new advice system By T. Rabesandratana

849 ‘REJUVENATING’ PROTEIN DOUBTED
Factor reported to explain how young blood restores muscle has opposite effect in another lab By J. Kaiser

FEATURES
850 THE DRUG PUSH
As fears of drug-resistant bacteria loom, governments try to coax companies back to the field By K. Servick

854 THE NEW SHAPE OF FUSION
After decades of slow progress with doughnut-shaped reactors, magnetic fusion labs are gambling on a redesign By D. Clery

INSIGHTS

PERSPECTIVES
858 DEBATING A TESTOSTERONE “SEX GAP”
Policies unfairly exclude some women athletes from competition By K. Karkazis and R. Jordan-Young

860 READING THE MIND TO MOVE THE BODY
Decoding neural signals of intention and movement should guide the development of neural prosthetics By J. A. Pruszynski and J. Diedrichsen

862 JUST ADD LANTHANIDES
Some methanol-using bacteria may depend on lanthanide elements for carbon capture and energy generation By E. Skovran and N. C. Martinez-Gomez

863 STREAMLINING AMINE SYNTHESIS
Bulky amine groups that help make many drugs more bioavailable can be added readily to organic compounds By L. Kürti

865 UNCOVERING HIDDEN WORLDS OF OCEAN BIODIVERSITY
A 3-year expedition yields a treasure trove of data on microorganisms and small animals in the world’s oceans By E. V. Armbrust and S. R. Palumbi

867 PREPROCANCER
Normal skin harbors cancer-causing mutations By D. E. Brash

BOOKS ET AL.
869 FATAL ISOLATION
By R. C. Keller, reviewed by L. Stark

870 LIFE IN OUR PHAGE WORLD
By F. Rohwer et al., reviewed by M. Koeris

870 PLANKTON
By C. Sardet

LETTERS
871 EUGENICS LURK IN THE SHADOW OF CRISPR
By R. Pollack

871 CARNIVORE COEXISTENCE: WILDERNESS NOT REQUIRED
By J. V. Lopez-Bao et al.
A-form DNA can stand the heat

903 SANITATION SUBSIDIES
Encouraging sanitation investment in the developing world: A cluster-randomized trial R. G. O. et al.

906 NEUROPHYSIOLOGY
Decoding motor imagery from the posterior parietal cortex of a tetraplegic human T. A. X. et al.

910 EPIDEMIOGENETICS
Multiplex single-cell profiling of chromatin accessibility by combinatorial cellular indexing D. A. C. et al.

914 VIROLOGY
A virus that infects a hyperthermophile encapsidates A-form DNA F. M. et al.

917 RNA STRUCTURE
Structure of the HIV-1 RNA packaging signal S. A. et al.

921 EVOLUTION
Systematic humanization of yeast genes reveals conserved functions and genetic modularity A. H. et al.

ON THE COVER
Various species of plankton. Using the research vessel Tara, the Tara Ocean expedition sampled plankton ecosystems around the world and collected associated oceanographic data. The wet part of the expedition was accompanied by an integrative analysis on land, incorporating DNA sequencing and bioinformatics, microscopic imaging, and network analysis. See pages 841, 865, 870, and 873. Photos: C. Sardet/CNRS/Tara Oceans/Plankton Chronicles/Plankton: Wonders of the Drifting World

DEPARTMENTS
841 EDITORIAL
Oceans and Earth’s habitability By M. M. et al.

938 WORKING LIFE
Playing the field By G. M. et al.

SPECIAL SECTION
Tara Oceans
INTRODUCTION
Tara Oceans studies plankton at planetary scale P. B. et al.

RESEARCH ARTICLE ABSTRACTS
874 Eukaryotic plankton diversity in the sunlit ocean C. D. et al.

Structure and function of the global ocean microbiome S. S. et al.

Patterns and ecological drivers of ocean viral communities J. R. et al.

Determinants of community structure in the global plankton interactome G. L. et al.

Environmental characteristics of Agulhas rings affect interocean plankton transport E. V. et al.

SEE ALSO
EDITORIAL P. 841 PERSPECTIVE P. 865 BOOKS ET AL. P. 870