### Contents

**1 SEPTEMBER 2017 • VOLUME 357 • ISSUE 6354**

#### Insights

**Perspectives**

862 Teaming up on a safer reactor

**Features**

866 A molecular dance to cleaner air
Pairs of mobile copper ions intercept oxygen molecules in diesel-exhaust catalysts
By T. V. W. Janssens and P. N. R. Vennestrom

867 Glia put visual map in sync
Sequential intercellular signals synchronize neuronal differentiation to assemble a visual map
By J. Isaacman-Beck and T. R. Clandinin

869 Finding a new purpose for old drugs
Drugs used for the treatment of asthma might prevent Parkinson’s disease
By E. Y. Snyder

871 The architecture of transcription elongation
A crystal structure explains how transcription factors enhance elongation and pausing
By T. Fouqueau and F. Werner

872 Enzymes make light work of hydrocarbon production
An algal enzyme that uses visible light to catalyze hydrocarbon formation may find use in biotechnology
By N. S. Scrutton

873 Sounding out optical phonons
Phonon-based analogs of electronic devices offer potential for future technologies
By D. M. Juraschek and N. A. Spaldin

875 Howard Eichenbaum (1947–2017)
A neuroscientist who was fascinated by the nature and mechanisms of memory
By M. Hasselmo and C. Stern

### Policy Forum

876 Influence, integrity, and the FDA: An ethical framework
Evaluate external influences on scientific deliberations
By S. P. Hey et al.

### News

**In Brief**

850 News at a glance

**In Depth**

853 How an ocean climate cycle favored Harvey
Human factors may prolong storm-boosting Atlantic Multidecadal Oscillation phase
By J. Rosen

854 Hurricane Harvey provides lab for U.S. forecast experiments
By P. Vosen

855 Anti-inflammatory prevents heart attacks
By vindicating theory, antibody result points to new approaches to protecting the heart
By J. Couzin-Frankel

856 Science suffers as China plugs holes in great firewall
New restrictions hamper access to sites useful for research
By D. Normile

857 Toxic algae may be culprit in mysterious dinosaur deaths
Harmful blooms may explain 70-million-year-old deathbed of birds and dinosaurs
By C. Gramling

858 Reports raise concerns about France’s nuclear waste tomb
Major roadblocks remain for a massive underground storage site in the works since 1991
By E. Pain

859 The case of the macho crocs
Something is changing the sex of Costa Rican crocodiles. The suspect: a synthetic hormone
By M. Leslie

862 Atomic bonding
A U.S.-China project to secure bomb-grade reactor fuel is rekindling ties between the two countries’ nuclear scientists
By R. Stone

853 & 854

863 & 864

### Reports

859 & 854

### Highlights

862 Atomic bonding
A U.S.-China project to secure bomb-grade reactor fuel is rekindling ties between the two countries’ nuclear scientists

865 Anti-inflammatory prevents heart attacks
By vindicating theory, antibody result points to new approaches to protecting the heart

866 A molecular dance to cleaner air
Pairs of mobile copper ions intercept oxygen molecules in diesel-exhaust catalysts

867 Glia put visual map in sync
Sequential intercellular signals synchronize neuronal differentiation to assemble a visual map

869 Finding a new purpose for old drugs
Drugs used for the treatment of asthma might prevent Parkinson’s disease

871 The architecture of transcription elongation
A crystal structure explains how transcription factors enhance elongation and pausing

872 Enzymes make light work of hydrocarbon production
An algal enzyme that uses visible light to catalyze hydrocarbon formation may find use in biotechnology

875 Howard Eichenbaum (1947–2017)
A neuroscientist who was fascinated by the nature and mechanisms of memory

876 Influence, integrity, and the FDA: An ethical framework
Evaluate external influences on scientific deliberations

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878 ADAPTING TO THE ANTHROPOCENE
A treatise argues that, for many species, the era of extinction may be all right. By A. Mooers

879 TUBERCULOSIS TODAY
A research provides a firsthand look at a prolific killer
By H. Bynum

LETTERS

880 INTELLIGENT DESIGN ENDANGERS EDUCATION
By H. M. Silva

880 SCIENTISTS NEED SOCIAL MEDIA INFLUENCERS
By M. Galetti and R. Costa-Pereira

881 YACHAY’S PROMISE
By C. Castillo-Chavez et al.

881 TECHNICAL COMMENT ABSTRACTS

RESEARCH

IN BRIEF

882 From Science and other journals

REVIEW

885 BIOGEOGRAPHY
Island biogeography: Taking the long view of nature’s laboratories
R. J. Whittaker et al.

RESEARCH ARTICLES

886 NEURODEVELOPMENT
Glia relay differentiation cues to coordinate neuronal development in Drosophila V. M. Fernandes et al.

891 PHARMACOGENOMICS
β2-Adrenoreceptor is a regulator of the α-synuclein gene driving risk of Parkinson’s disease S. Mittal et al.

898 CATALYSIS
Dynamic multinuclear sites formed by mobilized copper ions in NO, selective catalytic reduction C. Paolucci et al.

903 PLANT SCIENCE
An algal photoenzyme converts fatty acids to hydrocarbons D. Sorigué et al.

908 ORGANIC CHEMISTRY
Hydrogenation of fluoroarenes: Direct access to all-(multi)fluorinated cycloalkanes M. P. Wiesenfeldt et al.

912 MICROBIOTA
The intestinal microbiota regulates body composition through NFIL3 and the circadian clock Y. Wang et al.

917 PLANT ECOLOGY
Global climatic drivers of leaf size I. J. Wright et al.

921 TRANSCRIPTION
Structure of the complete elongation complex of RNA polymerase II with basal factors H. Ehara et al.

925 DEVELOPMENT
A microtubule-organizing center directing intracellular transport in the early mouse embryo J. Zenker et al.

928 STRUCTURAL BIOLOGY
Structural basis of the redox switches in the NADH-reducing soluble [NiFe]-hydrogenase Y. Shomura et al.

932 REPROGRAMMING
Fertile offspring from sterile sex chromosome trisomic mice T. Hirota et al.

DEPARTMENTS

849 EDITORIAL
Measuring and managing bias
By Jeremy Berg

942 WORKING LIFE
The stories behind a CV By Wei Ji Ma

ON THE COVER

A woman grips a giant Monstera leaf, a common plant genus of the American tropics. Leaf size varies enormously with differences in air temperature, light, and soil moisture, which affect the possibility of leaves overheating during the day or suffering frost damage at night. Thus, hot deserts and cold high-elevation sites are characterized by small-leaved species, whereas plants in warm rainforests tend to have larger leaves. See page 917. Photo: Mark Notari/Getty Images

Science Staff ........................................ 846
New Products ..................................... 936
Science Careers ................................... 937
Science 357 (6354), 849-942.