INDEPTH

892 News at a glance

894 Vaccine wagers on coronavirus surface protein pay off
Modern forecasts evidence of excellent efficacy, moving its mRNA candidate closer to widespread use By J. Cohen

895 Reinfections, still rare, provide clues on immunity
The growing group of people who get sick twice suggests protection can wane relatively quickly By J. de Vrieze

897 ‘Magic angle’ graphene’s next trick: superconducting devices
Twisted carbon sheets turned into switches that could make quantum computers smaller and more controllable By C. Wood

898 Like CRISPR, mystery gene editor began as a virus fighter
The genetic elements called retrons can only edit single-cell organisms, so far By E. Pennisi

900 China set to bring back rocks from the Moon
Chang’e-5’s lunar samples could firm up shaky crater count dating system for the rocky planets By D. Normile

901 Seas are rising faster than ever
A new satellite will monitor coastal hot spots, where currents amplify global trends By P. Voosen

902 Tomorrows’s catch
Genetic technologies promise dramatic gains for aquaculture by accelerating the breeding of better strains By E. Stokstad

907 Transferring allergies in the womb
Maternal antibodies prime fetal mast cells in utero for subsequent postnatal allergy responses By M. E. Rothenberg

909 The origin of diarrhea in rotavirus infection
Messengers from rotavirus-infected cells induce pathogenic signaling in neighboring cells By M. Stanifer and S. Boulant

910 The more and less of electronic-skin sensors
Sensors can measure both strain and temperature or measure force without affecting touch By X. Liu

912 The molecular wagon that stays on track
Single molecules are sent and received accurately over long distances across a surface By F. Esch and B. A. J. Lechner

913 Advancing new tools for infectious diseases
Therapeutics and vaccine development for infectious diseases could be transformed By R. Gupta

915 Georgina Mace (1953–2020)
Pioneering conservation biologist and sustainability scientist By A. Purvis and K. E. Jones

POLICY FORUM

916 Community-led governance for gene-edited crops
A post–market certification process could promote transparency and trust By J. Kuzma and K. Grieger

BOOKS ET AL.

919 Alphabets and their origins
A new documentary series surveys the invention and evolution of the written word By A. Robinson
920 Probing COVID’s complexity in real time
The pandemic is as much about society, leaders, and values as it is about a pathogen
By S. V. Scarpino

LETTERS
921 Retraction
By T. Sijen et al.
921 Eroded protections threaten U.S. forests
By K.-V. Pérez-Hämmerle et al.
922 Space debris puts exploration at risk
By D. Greenbaum
922 Technical Comment abstracts

RESEARCH

IN BRIEF
926 From Science and other journals

REVIEW
929 Fire ecology
Fire and biodiversity in the Anthropocene
L. T. Kelly et al.
REVIEW SUMMARY; FOR FULL TEXT: DX.DOI.ORG/10.1126/SCIENCE.ABB0355

RESEARCH ARTICLES
930 Virology
Rotavirus induces intercellular calcium waves through ADP signaling
A. L. Chang-Graham et al.
RESEARCH ARTICLE SUMMARY; FOR FULL TEXT: DX.DOI.ORG/10.1126/SCIENCE.ABC3621

931 Photosynthesis
Architecture of the photosynthetic complex from a green sulfur bacterium
J.-H. Chen et al.
RESEARCH ARTICLE SUMMARY; FOR FULL TEXT: DX.DOI.ORG/10.1126/SCIENCE.ABE6350

932 Neurodegeneration
Autosomal dominant VCP hypomorph mutation impairs disaggregation of PHF-tau
N. F. Darwich et al.
RESEARCH ARTICLE SUMMARY; FOR FULL TEXT: DX.DOI.ORG/10.1126/SCIENCE.AAY8826

933 Wildlife disease
Divergent impacts of warming weather on wildlife disease risk across climates
J. M. Cohen et al.
RESEARCH ARTICLE SUMMARY; FOR FULL TEXT: DX.DOI.ORG/10.1126/SCIENCE.ABB1702

934 Neurodevelopment
Gene regulatory networks controlling vertebrate retinal regeneration
T. Hoang et al.
RESEARCH ARTICLE SUMMARY; FOR FULL TEXT: DX.DOI.ORG/10.1126/SCIENCE.ABB8998

935 Developmental biology
A human tissue screen identifies a regulator of ER secretion as a brain-size determinant
C. Esk et al.

941 Immunology
Fetal mast cells mediate postnatal allergic responses dependent on maternal IgE
R. Msallam et al.
PERSPECTIVE p. 907

950 Coronavirus
Ultrapotent human antibodies protect against SARS-CoV-2 challenge via multiple mechanisms
M. A. Tortorici et al.

REPORTS
957 Surface science
Control of long-distance motion of single molecules on a surface
D. Civita et al.
PERSPECTIVE p. 912

961 Artificial multimodal receptors based on ion relaxation dynamics
I. Iou et al.

966 Nanomesh pressure sensor for monitoring finger manipulation without sensory interference
S. Lee et al.
PERSPECTIVE p. 910

970 Stellar astrophysics
An extremely metal-deficient globular cluster in the Andromeda Galaxy
S. S. Larsen et al.

974 Antifungal discovery
A marine microbiome antifungal targets urgent-threat drug-resistant fungi
F. Zhang et al.
PERSPECTIVE p. 906

978 Water phases
Experimental observation of the liquid-liquid transition in bulk supercooled water under pressure
K. H. Kim et al.

983 Geophysics
Oceanic plateau of the Hawaiian mantle plume head subducted to the uppermost lower mantle
S. S. Wei et al.

987 Developmental biology
Tissue topography steers migrating Drosophila border cells
W. Dai et al.

991 Zika virus
Enhanced Zika virus susceptibility of globally invasive Aedes aegypti populations
F. Aubry et al.

ON THE COVER
Spatial control over molecular movement is typically limited because motion at the atomic scale follows stochastic processes. When single dibromoterfluorene molecules are aligned along a specific direction on a silver surface, they become highly mobile and can be controllably transferred between two sharp probes, as illustrated here. Such a sender-receiver experiment enables transport of information, encoded in individual molecular entities, between precisely defined locations. See pages 912 and 957. Illustration: C. Bickel/Science

DEPARTMENTS
886 Editorial
The excellence question
By Ottoline Leyser
887 Editorial
Let’s not overthink this
By H. Holden Thorp

1006 Working Life
Should I stay or should I go?
By Jessica Toothaker

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