NEWS

IN BRIEF
1292 Roundup of the week's news

IN DEPTH
1295 THE RETURN OF PHILAE
Revived after hibernation, comet lander awaits orders By E. Hand and D. Clery

1296 RESEARCH CHIMPS WILL SOON BE LISTED AS 'ENDANGERED'
Ruling could disrupt biomedical research By D. Grimm

1297 DESIGNER PROTEINS PRODUCE POTENT HIV DEFENSE
AIDS vaccine developers mimic natural route to powerful immune responses By J. Cohen

1298 REPUBLICANS SPLIT ON CLIMATE, SOCIAL SCIENCE SPENDING
House calls for cuts, Senate favors status quo By J. Mervis

1299 PUMPED UP TO RUMBLE
Massive studies of wastewater injection wells show fast pumping raises earthquake risk By J. Rosen

RESEARCH CHIMPS WILL SOON BE LISTED AS ‘ENDANGERED’
Ruling could disrupt biomedical research By D. Grimm

NEWS

IN DEPTH
1295 THE RETURN OF PHILAE
Revived after hibernation, comet lander awaits orders By E. Hand and D. Clery

1296 RESEARCH CHIMPS WILL SOON BE LISTED AS ‘ENDANGERED’
Ruling could disrupt biomedical research By D. Grimm

1297 DESIGNER PROTEINS PRODUCE POTENT HIV DEFENSE
AIDS vaccine developers mimic natural route to powerful immune responses By J. Cohen

1298 REPUBLICANS SPLIT ON CLIMATE, SOCIAL SCIENCE SPENDING
House calls for cuts, Senate favors status quo By J. Mervis

1299 PUMPED UP TO RUMBLE
Massive studies of wastewater injection wells show fast pumping raises earthquake risk By J. Rosen

RESEARCH CHIMPS WILL SOON BE LISTED AS ‘ENDANGERED’
Ruling could disrupt biomedical research By D. Grimm

NEWS

IN DEPTH
1295 THE RETURN OF PHILAE
Revived after hibernation, comet lander awaits orders By E. Hand and D. Clery

1296 RESEARCH CHIMPS WILL SOON BE LISTED AS ‘ENDANGERED’
Ruling could disrupt biomedical research By D. Grimm

1297 DESIGNER PROTEINS PRODUCE POTENT HIV DEFENSE
AIDS vaccine developers mimic natural route to powerful immune responses By J. Cohen

1298 REPUBLICANS SPLIT ON CLIMATE, SOCIAL SCIENCE SPENDING
House calls for cuts, Senate favors status quo By J. Mervis

1299 PUMPED UP TO RUMBLE
Massive studies of wastewater injection wells show fast pumping raises earthquake risk By J. Rosen

RESEARCH CHIMPS WILL SOON BE LISTED AS ‘ENDANGERED’
Ruling could disrupt biomedical research By D. Grimm

INSIGHTS

BOOKS ET AL.
1305 SUMMER READING
Eight book reviews from postdocs and grad students

PERSPECTIVES
1312 WHEN THE HUNTER BECOMES THE HUNTED
Effective predator management relies on social acceptability as well as scientific evidence By R. Woodroffe and S. M. Redpath

1314 AN ESCRT TO SEAL THE ENVELOPE
Cellular machinery that remodels different lipid bilayers also closes the nuclear membrane By W. I. Sundquist and K. S. Ullman

1316 IT’S ABOUT TIME FOR NEURAL CREST
The unusual pluripotency of neural crest cells is inherited from embryonic stem cells By S. Happler and G. N. Wheeler

1317 OUTPERFORMING NATURE’S MEMBRANES
Ultrathin synthetic membranes that reach a record permeability can clean up organic solutions By V. Freger

1319 ARE YOU WATERING YOUR LAWN?
High-resolution data may help to devise effective water conservation strategies in urban areas around the world By T. S. Hogue and S. Pincetl

1320 AFTER THE IRAN DEAL: MULTINATIONAL ENRICHMENT
World powers should buy a stake in Iran’s enrichment capacity and accept the same rules By A. Glaser et al.

1322 A CHLAMYDIA VACCINE ON THE HORIZON
Results of a new Chlamydia vaccine in mice should spur human clinical trials By R. C. Brunham

FEATURING
1322 & 1331
Sealing the nuclear envelope

1314

Published by AAAS
Neural crest cells retain their origins

1324 JOHN FORBES NASH JR. (1928–2015)
A distinguished mathematician and Nobel laureate dies tragically
By M. Shubik

LETTERS
1325 PERSPECTIVE
Military training will make our kids food secure
By W. S. Rees Mogg

RESEARCH
1332 REPORTS
1336 INDUCED SEISMICITY
High-rate injection is associated with the increase in U.S. mid-continent seismicity M. Weingarten et al.

1340 POLARON DYNAMICS
Long-lived photoinduced polaron formation in conjugated polyelectrolyte-fullerene assemblies R. C. Huber et al.

1344 BATTERIES
Topological defect dynamics in operando battery nanoparticles A. Ulvestad et al.

1347 MEMBRANE FILTRATION
Sub–10 nm polyamide nanofilms with ultrafast solvent transport for molecular separation S. Karan et al.

1352 BRAIN PROCESSING
Cortical information flow during flexible sensorimotor decisions M. Siegel et al.

1355 COMETARY NUCLEI
The shape and structure of cometary nuclei as a result of low-velocity accretion M. Hutti and E. Asphaug

1358 GROUP DECISIONS
Shared decision-making drives collective movement in wild baboons A. Strandburg-Peshkin et al.

1361 SIGNAL TRANSDUCTION
Structural basis for nucleotide exchange in heterotrimeric G proteins R. O. Dror et al.

1365 PROTEIN DESIGN
Design of ordered two-dimensional arrays mediated by noncovalent protein-protein interfaces S. Gonen et al.

1369 ENDOCYTOSIS
Endocytic sites mature by continuous bending and remodeling of the clathrin coat O. Avinoam et al.

1372 TRANSCRIPTION
Recruitment of RNA polymerase II by the pioneer transcription factor PHA-4 H.-T. Hsu et al.

1376 DRUG DEVELOPMENT
Phthalimide conjugation as a strategy for in vivo target protein degradation G. E. Winter et al.