429 COPING WITH THE CURSE OF FRESHWATER VARIABILITY
Institutions, infrastructure, and information for adaptation
By J. W. Hall et al.

BOOKS ET AL.
431 SURGEON GENERAL’S WARNING
By M. Stobbe, reviewed by J. M. Samet

432 JACKSON HOLE SCIENCE MEDIA AWARDS
Reviewed by C. Ash

LETTERS
433 EBOLA: MOBILITY DATA
By M. E. Halloran et al.

433 EBOLA: PUBLIC-PRIVATE PARTNERSHIPS
By L. A. Reperant et al.

434 EBOLA: SOCIAL RESEARCH OVERLOOKED
By G. Guerrier

434 TECHNICAL COMMENT ABSTRACTS

DEPARTMENTS
401 EDITORIAL
China’s private universities
By Huiqing Jin

510 WORKING LIFE
A double dose of advice
By Huan Wang

Science Staff ............................................. 400
New Products ........................................ 489
AAAS Meeting Program ........................... 490
Science Careers ..................................... 500

Published by AAAS
CONTENTS

24 OCTOBER 2014 • VOLUME 346 • ISSUE 6208

RESEARCH

IN BRIEF
435 From Science and other journals

REVIEW
438 MICROBE ANALYSIS
Zooming in to see the bigger picture: Microfluidic and nanofabrication tools to study bacteria F. J. H. Hol and C. Dekker
REVIEW SUMMARY: FOR FULL TEXT: dx.doi.org/10.1126/science.1251821

439 ADVANCED IMAGING
Lattice light-sheet microscopy: Imaging molecules to embryos at high spatiotemporal resolution B.-C. Chen et al.
RESEARCH ARTICLE SUMMARY: FOR FULL TEXT: dx.doi.org/10.1126/science.1257998

440 DNA REPLICATION
Cdc48 and a ubiquitin ligase drive disassembly of the CMG helicase at the end of DNA replication M. Marie et al.
RESEARCH ARTICLE SUMMARY: FOR FULL TEXT: dx.doi.org/10.1126/science.1253596 ▶ PERSPECTIVE P. 418; REPORT P. 477

424 & 455

423 & 469

445 ULTRAFAST DYNAMICS
A photoinduced metal-like phase of monoclinic VO₂ revealed by ultrafast electron diffraction V. R. Morrison et al.

448 VALLEYTRONICS
Detecting topological currents in graphene superlattices R. V. Gorbachev et al. ▶ PERSPECTIVE P. 422

451 ASYMMETRIC CATALYSIS
Room-temperature enantioselective C–H iodination via kinetic resolution L. Chu et al.

455 METALLOPROTEINS
Structural basis for organohalide respiration M. Bommer et al. ▶ PERSPECTIVE P. 424

458 WORKING MEMORY
Medial prefrontal activity during delay period contributes to learning of a working memory task D. Liu et al.

463 EVOLUTIONARY BIOLOGY
Rapid evolution of a native species following invasion by a congener Y. E. Stuart et al.

466 NEW WORLD ARCHEOLOGY
Paleoindian settlement of the high-altitude Peruvian Andes K. Rademaker et al.
▶ PODCAST

481 & 485

469 PLANT SCIENCE
Antheridiogen determines sex in ferns via a spatiotemporally split gibberellin synthesis pathway J. Tanaka et al.
▶ PERSPECTIVE P. 423

473 VIRAL CELL BIOLOGY
Influenza A virus uses the aggresome processing machinery for host cell entry I. Banerjee et al.
▶ PERSPECTIVE P. 427

477 DNA REPLICATION
Polyubiquitylation drives replisome disassembly at the termination of DNA replication S. Priego Moreno et al.
▶ PERSPECTIVE P. 418; RESEARCH ARTICLE P. 440

481 HIGH THERMODYNAMIC STABILITY
of parametrically designed helical bundles P.-S. Huang et al.

485 COMPUTATIONAL DESIGN
of water-soluble α-helical barrels A. R. Thomson et al.

ON THE COVER
Image from the laboratory of the 2014 Nobel Prize winner for chemistry, Eric Betzig, showing neurons in the brain of a live zebrafish embryo. Sample-induced aberrations often degrade imaging quality in multicellular specimens, but a clear view was obtained here by using adaptive optics, the same technology used to view distant astronomical objects through Earth’s turbulent atmosphere. For more on imaging, see page 439 and dx.doi.org/10.1126/science.1257998.

Image: Kai Wang, Eric Betzig, Janelia Laboratory of the 2014 Nobel Prize winner for chemistry, Eric Betzig, showing neurons in the brain of a live zebrafish embryo. Sample-induced aberrations often degrade imaging quality in multicellular specimens, but a clear view was obtained here by using adaptive optics, the same technology used to view distant astronomical objects through Earth’s turbulent atmosphere. For more on imaging, see page 439 and dx.doi.org/10.1126/science.1257998.

Published by AAAS
24 OCTOBER 2014 • VOL 346 ISSUE 6208
Editor's Summary

This copy is for your personal, non-commercial use only.

**Article Tools**
Visit the online version of this article to access the personalization and article tools:
http://science.sciencemag.org/content/346/6208

**Permissions**
Obtain information about reproducing this article:
http://www.sciencemag.org/about/permissions.dtl