CONTENTS

24 JULY 2015 • VOLUME 349 • ISSUE 6246

INSIGHTS

386 TOWARD AN HIV VACCINE: A SCIENTIFIC JOURNEY

Different strategies are coming together to provide insights for an effective HIV vaccine By A. S. Fauci and H. D. Marston

386 PERSPECTIVES

374 FOUR LEGS TOO MANY?
A long-bodied fossil snake retains fore- and hindlimbs By S. Evans

376 MAKING METHANE DOWN DEEP
Scientists find active life 2.5 km beneath the sea floor By J. A. Huber

377 MOVING CTLA-4 FROM THE TRASH TO RECYCLING
Individuals lacking a protein expressed in T cells have low CTLA-4 and develop autoimmunity By D. M. Sansom

379 CATALYSTS BY PLATONIC DESIGN
Sophisticated shape-controlled design is yielding ever more active nanocatalysts By P. Strasser

380 BREAKERS AND BLOCKERS—miRNAs AT WORK
MicroRNAs mediate silencing through messenger RNA degradation and translation repression By E. Izaurralde

382 STRETCH, WRAP, AND RELAX TO SMARTNESS
Carbon nanotubes wrapped around rubber cores create resilient conducting fibers By T. Ghosh

384 YELLOW LIGHTS FOR EMERGING TECHNOLOGIES
All-or-none regulatory systems are not adequate for revolutionary innovations By R. A. Charo

356 IRAN NUCLEAR DEAL HOLDS ‘GOODIES’ FOR SCIENTISTS
Researchers to collaborate at repurposed nuclear facilities By R. Stone

357 WEB BILLIONAIRE JOINS SEARCH FOR ALIEN SIGNALS
Yuri Milner hopes that $100 million can answer one of humanity’s most enduring questions By D. Clery

FEATURES

358 NEW LIFE FOR OLD BONES
After a stormy adolescence, the field of ancient DNA enters its golden era By E. Culotta

362 REVOLUTION IN HUMAN EVOLUTION
As it smashes disciplinary boundaries, ancient DNA is rewriting much of human prehistory By A. Gibbons

364 LOST WORLDS FOUND
Sugar cubes of buried soil reveal how ecosystems warmed after the last ice age By E. Pennisi

369 Prospecting for genetic gold By E. Pennisi

370 BREAKING A TROPICAL TABOO
Most ancient DNA comes from frigid environs. Can new methods sample hot and humid locales? By L. Wade

372 PROTEIN POWER
Paleoproteomics hustles to catch up with its more developed cousin By R. F. Service

372 NEWS

IN DEPTH

352 SCIENTISTS PONDER AN IMPROBABLY ACTIVE PLUTO
New Horizons delights researchers with stark vistas and perplexing puzzles By E. Hand

354 NEW MYSTERY FOR NATIVE AMERICAN ORIGINS
Rival papers compete to explain surprising link to Australia and Melanesia By M. Balter

355 CHILD FIGHTS HIV TO A DRAW
After 12 years off treatment, a young woman has had remarkable—and unexplained—control of her infection By J. Cohen

IN BRIEF

350 Roundup of the week’s news

350 IRAN NUCLEAR DEAL HOLDS ‘GOODIES’ FOR SCIENTISTS
Researchers to collaborate at repurposed nuclear facilities By R. Stone

357 WEB BILLIONAIRE JOINS SEARCH FOR ALIEN SIGNALS
Yuri Milner hopes that $100 million can answer one of humanity’s most enduring questions By D. Clery

358 NEW LIFE FOR OLD BONES
After a stormy adolescence, the field of ancient DNA enters its golden era By E. Culotta

362 REVOLUTION IN HUMAN EVOLUTION
As it smashes disciplinary boundaries, ancient DNA is rewriting much of human prehistory By A. Gibbons

364 LOST WORLDS FOUND
Sugar cubes of buried soil reveal how ecosystems warmed after the last ice age By E. Pennisi

369 Prospecting for genetic gold By E. Pennisi

370 BREAKING A TROPICAL TABOO
Most ancient DNA comes from frigid environs. Can new methods sample hot and humid locales? By L. Wade

372 PROTEIN POWER
Paleoproteomics hustles to catch up with its more developed cousin By R. F. Service

372 CHILD FIGHTS HIV TO A DRAW
After 12 years off treatment, a young woman has had remarkable—and unexplained—control of her infection By J. Cohen

Published by AAAS
A Cretaceous snake with limbs

BOOKS ET AL.

388 HOW TO CLONE A MAMMOTH
By A. R. Hoelzel
▶ NEWS STORY P. 369

389 THE LOCK AND KEY OF MEDICINE
By L. V. Marks, reviewed by S. Prabakaran

LETTERS

390 PRECISION MEDICINE: LOOK TO THE MICE
By K. C. K. Lloyd et al.

390 SEXISM DISCUSSION MISSES THE POINT
By H. S. Young

391 CHIMPANZEES DESERVE THEIR FREEDOM
By S. M. Wise

391 TECHNICAL COMMENT ABSTRACTS

RESEARCH

IN BRIEF

392 From Science and other journals

REVIEW

395 HUMAN MICROBIOTA
Small molecules from the human microbiota M. S. Donia and M. A. Fischbach
REVIEW SUMMARY: FOR FULL TEXT: dx.doi.org/10.1126/science.1254766

REPORTS

396 APPLIED ORIGAMI
Origami of thick panels Y. Chen et al.

400 STRETCHY ELECTRONICS
Hierarchically buckled sheath-core fibers for superelastic electronics, sensors, and muscles Z. F. Liu et al.
▶ PERSPECTIVE P. 382

405 QUANTUM INFORMATION
Coherent coupling between a ferromagnetic magnon and a superconducting qubit Y. Tabuchi et al.

408 Coherent coupling of a single spin to microwave cavity photons J. J. Viennot et al.

412 NANOCATALYSTS
Platinum-based nanocages with subnanometer-thick walls and well-defined, controllable facets L. Zhang et al.
▶ PERSPECTIVE P. 379

416 EVOLUTION
A four-legged snake from the Early Cretaceous of Gondwana D. M. Martill et al.
▶ PERSPECTIVE P. 374

420 DEEP BIOSPHERE
Exploring deep microbial life in coal-bearing sediment down to ~2.5 km below the ocean floor F. Inagaki et al.
▶ PERSPECTIVE P. 376

424 NEURODEVELOPMENT
Adult cortical plasticity depends on early postnatal critical period S. D. Greenhill et al.

428 INTRACELLULAR TRANSPORT
Platinum-based nanocages with subnanometer-thick walls and well-defined, controllable facets L. Zhang et al.

432 Phosphatidylserine transport by ORP/Osh proteins is driven by phosphatidylinositol 4-phosphate J. Moser von Filseck et al.

DEPARTMENTS

349 EDITORIAL
Rethinking graduate education By Alan I. Leshner

446 WORKING LIFE
Songwriting and science By C. Neal Stewart Jr.

ON THE COVER

374 & 416 A Cretaceous snake with limbs

377 & 436 An autoimmunity mechanism

382 INTRACELLULAR TRANSPORT
Platinum-based nanocages with subnanometer-thick walls and well-defined, controllable facets L. Zhang et al.
▶ PERSPECTIVE P. 379

On the cover: A researcher drills into ancient bone to extract material for DNA analysis at the Max Planck Institute for Evolutionary Anthropology in Leipzig, Germany. As the newest sequencing methods are applied to ancient samples and spread to many laboratories, ancient DNA is poised to enter its golden age, delivering stunning results ranging from the evolution of humans to that of microbes. See page 358.

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Science Staff ............................................. 348
New Products ........................................ 441
Science Careers ...................................... 442