CONTENTS

8 JANUARY 2016 • VOLUME 351 • ISSUE 6269

116 CONSERVATION RESEARCHERS GET A NEW ROOST IN CAMBRIDGE
Renovated building aims to foster alliances between academics and advocates By E. Stokstad

115 DATA CHECK: FOR FEMALE SCIENTISTS, MIXED FUNDING RESULTS AT U.S. AGENCIES
Report to Congress finds a gender disparity in grant awards—and a dearth of data By J. Mervis

FEATURE

116 A SHOT AT MIGRAINE
Drug companies are racing to prove antibody treatments can prevent the debilitating headaches By E. Underwood
▶ PODCAST

INSIGHTS

PERSPECTIVES

120 ANCIENT GRASSLANDS AT RISK
Highly biodiverse tropical grasslands are at risk from forest-planting efforts By W. J. Bond

122 LOWER-MANTLE MATERIALS UNDER PRESSURE
Laboratory measurements provide a window into Earth’s mantle dynamics By J. Chen
▶ REPORT P. 144

124 FINDING MERIT IN DIVIDING NEIGHBORS
The favorable thermoelectric properties of SnSe are related to its crystal symmetry By K. Behnia
▶ REPORT P. 141

125 DISRUPTED NUCLEAR IMPORT-EXPORT IN NEURODEGENERATION
Toxicity arises from amyloid-like protein accumulation in the cytoplasm, not the nucleus By S. Da Cruz and D. W. Cleveland
▶ REPORT P. 173

126 POTENCY FINDS ITS NICHES
Adult bone marrow employs a surprisingly simple hematopoietic hierarchy By N. Cabezas-Wallscheid and A. Trumpp
▶ RESEARCH ARTICLE P. 139; REPORT P. 176

128 BALANCING HYDROPOWER AND BIODIVERSITY IN THE AMAZON, CONGO, AND MEKONG
Basin-scale planning is needed to minimize impacts in mega-diverse rivers By K. O. Winemiller et al.

BOOKS ET AL.

130 TUNNEL VISIONS
By M. Riordan et al., reviewed by J. Mervis

131 A BRIEF HISTORY OF CREATION
By B. Mesler and H. J. Cleaves II, reviewed by J. Strick

LETTERS

132 CALL FOR CONSERVATION: ABANDONED PASTURE
By J. A. C. Poore

132 RECOGNIZING THERMAL PLASTICITY IN FISH
By A. P. Farrell and C. E. Franklin

133 HIV/AIDS EPIDEMIC: THE WHOLE TRUTH
By N. Nathanson

133 ERRATA

NEWS

IN BRIEF

108 News at a glance

IN DEPTH

110 A RACE TO EXPLAIN BRAZIL’S SPIKE IN BIRTH DEFECTS
Evidence points toward the fast-spreading Zika virus as the cause of microcephaly By G. Vogel

111 IRAQ CONFRONTS A NEW ENEMY—THE PERSIAN GULF
Drought and dams allow saltwater to invade, threatening people and the ancient marshes of Mesopotamia By A. Lawler

113 CESIUM FORTIFIES NEXT-GENERATION SOLAR CELLS
A dash of the metal could hold the key to making cheap solar cells that can withstand the elements By R. F. Service
▶ REPORT P. 151

124 & 141 Powering forward thermoelectrics

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RESEARCH

IN BRIEF

134 From Science and other journals

REVIEW

137 EARTH HISTORY
The Anthropocene is functionally and stratigraphically distinct from the Holocene C. N. Waters et al. REVIEW SUMMARY: FOR FULL TEXT: dx.doi.org/10.1126/science.aab5694

RESEARCH ARTICLES

138 BRAIN CIRCUITS
Gating of hippocampal activity, plasticity, and memory by entorhinal cortex long-range inhibition J. Basa et al. RESEARCH ARTICLE SUMMARY: FOR FULL TEXT: dx.doi.org/10.1126/science.aab2116

139 HEMATOPOIESIS
Distinct routes of lineage development reshape the human blood hierarchy across ontogeny F. Notta et al. RESEARCH ARTICLE SUMMARY: FOR FULL TEXT: dx.doi.org/10.1126/science.aac8353

140 GEOMORPHOLOGY
Geomorphic and geologic controls of geohazards induced by Nepal’s 2015 Gorkha earthquake J. S. Kargel et al. RESEARCH ARTICLE SUMMARY: FOR FULL TEXT: dx.doi.org/10.1126/science.aac8353

141 THERMOELECTRICS
Ultrahigh power factor and thermoelectric performance in hole-doped single-crystal SnSe L.-D. Zhao et al. PERSPECTIVE P. 122

142 GEOPHYSICS
Shear deformation of bridgmanite and magnesiowüstite aggregates at lower mantle conditions J. Girard et al. PERSPECTIVE P. 122

143 SOLAR CELLS
A mixed-cation lead mixed-halide perovskite absorber for tandem solar cells D. P. McMeekin et al. NEWS STORY P. 113

145 FOREST ECOLOGY
Dominance of the suppressed: Power-law size structure in tropical forests C. E. Farrar et al.

146 MICROBIOME
Microbial community assembly and metabolic function during mammalian corpse decomposition J. L. Metcalf et al. PODCAST

147 GEOMORPHOLOGY
Repeated catastrophic valley infill following medieval earthquakes in the Nepal Himalaya W. Schwanghart et al. RESEARCH ARTICLE P. 140

149 ANCIENT MICROBIOME
The 5300-year-old Helicobacter pylori genome of the Iceman F. Maixner et al.

150 PALEOCLIMATE
Reconciliation of the Devils Hole climate record with orbital forcing G. E. Moseley et al.

151 CELL BIOLOGY
Accurate concentration control of mitochondria and nucleoids R. Jajoo et al.

152 PROTEIN AGGREGATES
Cytoplasmic protein aggregates interfere with nucleocytoplasmic transport of protein and RNA A. C. Woerner et al. PERSPECTIVE P. 125

153 STEM CELL NICHE
Fetal liver hematopoietic stem cell niches associate with portal vessels J. A. Khan et al. PERSPECTIVE P. 126; RESEARCH ARTICLE P. 139

154 PROTEIN STRUCTURE
The structure of the β-barrel assembly machinery complex J. Bakelar et al.

155 CHEMOTAXIS
Polysialylation controls dendritic cell trafficking by regulating chemokine recognition E. Kiermayer et al.

DEPARTMENTS

107 EDITORIAL
Biggest opportunity of our age By Sir David King

198 WORKING LIFE
Want a letter? You write it for me By Roger S. Day

ON THE COVER

Tree of portal blood vessels in the murine fetal liver at embryonic days 12 (bottom left), 13 (bottom right), and 14.5 (top), reconstructed in three dimensions from serial cryosections of portal vasculature. Branch surface area is scaled according to fractal geometries, together with the number of hematopoietic stem cells (HSCs; yellow spheres), suggesting that HSC niche expansion is related to portal vessel surface area. See pages 126, 139, and 176. Data visualization: Valerie Altounian; Science; base meshes created by Jalal Khan (Icahn School of Medicine at Mount Sinai) using MeshLab

Science Staff ........................................106
New Products ......................................191
Science Careers ...................................192

Published by AAAS
Science 351 (6269), 107-198.