245 & 263
Nucleosome flexing to remodel chromatin

20 JANUARY 2017 • VOLUME 355 • ISSUE 6322
CONTENTS

PHOTO: NATALIA JIDOVANU
20 JANUARY 2017 • VOL 355 ISSUE 6322
223
SCIENCE
sciencemag.org

245 & 263
Nucleosome flexing to remodel chromatin

NEWS

IN BRIEF
228 News at a glance

IN DEPTH
231 SCIENCE SUFFERS IN COLD WAR OVER POLAR BASE
Researchers frozen out as parties vie for control of research station
By M. Enserink

232 YOUR SELF-DRIVING CAR COULD KILL RADIO ASTRONOMY
Emerging automotive and lighting technologies pose challenges to observatories
By D. Clery

234 MIXED RESULTS FROM CANCER REPLICATIONS UNSETTLE FIELD
Only two confirmations in first five results
By J. Kaiser

235 UNIQUE FREE ELECTRON LASER LABORATORY OPENS IN CHINA
New device will generate ultraviolet beams to probe smog and other gaseous phenomena
By D. Normile

FEATURE
238 TAMING RABIES
The best way to stop people from dying of rabies is to protect dogs. Can that strategy work in the world’s poorest countries?
By E. Stokstad

INSIGHTS

PERSPECTIVES
244 TECHNOLOGY BEATS CORRUPTION
Biometric smart cards help to reduce corruption in cash transfer programs in India
By R. Hanna

245 UNLOCKING THE NUCLEOSOME
Both DNA and histones flex to undergo remodeling
By A. Flaus and T. Owen-Hughes
▶ RESEARCH ARTICLE P. 263

247 ENZYMES AT WORK ARE ENZYMES IN MOTION
Protein motions and water both play key roles in enzyme catalysis
By T. Saleh and C. G. Kalodimos
▶ RESEARCH ARTICLE P. 262

248 BIG-DATA APPROACHES TO PROTEIN STRUCTURE PREDICTION
Metagenomics sequence data give protein structure prediction a boost
By J. Söding
▶ REPORT P. 294

249 CHROMOSOMAL CHAOS SILENCES IMMUNE SURVEILLANCE
A high level of chromosomal structural abnormality can suppress the immune response to tumor cells
By M. Zanetti
▶ RESEARCH ARTICLE P. 261

POLICY FORUM
251 CLOSING GLOBAL ACHIEVEMENT GAPS IN MOOCS
Brief interventions target social identity threat
By R. F. Kizilcec et al.

BOOKS
253 BEYOND SCHröDINGER’S CAT
A physics-focused tour of the animal kingdom offers inspiration for engineers and roboticists
By M. Kovac

254 BORN THIS WAY?
A spirited polemic takes aim at biological sex differences but misses opportunities to highlight relevant science
By S. Berenbaum

LETTERS
255 BUILDING COMMUNITY FOR DEAF SCIENTISTS
By G. Buckley et al.

256 WILDLIFE-SNARING CRISIS IN ASIAN FORESTS
By T. N. E. Gray et al.

256 OUTSIDE THE TOWER: YOUNG SCIENCE OFFICERS LEAD BY EXAMPLE
By D. Iyer

256 ERRATA
RESEARCH

IN BRIEF
257 From Science and other journals

REVIEW
260 ORGANOIDs
Human tissues in a dish: The research and ethical implications of organoid technology. A. L. Bredenoord et al.

RESEARCH ARTICLES
261 CANCER
262 ENZYME DYNAMICS
The role of dimer asymmetry and protomer dynamics in enzyme catalysis. T. H. Kim et al.

263 CHROMATIN
Distortion of histone octamer core promotes nucleosome mobilization by a chromatin remodeler K. K. Sinha et al.

REPORTS
264 CHEMICAL PHYSICS
Time-resolved x-ray absorption spectroscopy with a water window high-harmonic source Y. Pertot et al.

267 NANOMATERIALS
Transformation of bulk alloys to oxide nanowires B. Lei et al.

268 PLANT SCIENCE
Root diffusion barrier control by a vasculature-derived peptide binding to the SGN3 receptor V. Nguyen et al.

270 DEVICE TECHNOLOGY
Scaling carbon nanotube complementary transistors to 5-nm gate lengths C. Qiu et al.

271 PALEOCLIMATE
Regional and global sea-surface temperatures during the last interglaciation J. S. Hoffman et al.

276 PLANT SCIENCE
Root diffusion barrier formation in Arabidopsis roots T. Nakayama et al.

278 PLANT SIGNALING
The receptor kinase FER is a RALF-regulated scaffold controlling plant immune signaling M. Stegmann et al.

280 PROTEIN STRUCTURE
Protein structure determination using metagenome sequence data S. Ovchinnikov et al.

284 PROTEIN HOMEOSTASIS
Evolutionary drivers of thermoadaptation in enzyme catalysis V. Nguyen et al.

289 ENZYMOLoGY
Mechanistic basis for a molecular triage reaction S. Shao et al.

DEPARTMENTS
227 EDITORIAL
Everyone should try
By Jeremy Berg

318 WORKING LIFE
The transcontinental scientist
By Wim Delva

ON THE COVER
Grand Prismatic Spring in Yellowstone National Park, illustrating the evolution of life on Earth from hot (middle) to colder environments (edges). Bacteria with different survival temperatures create the color scale. To study the evolution of enzymatic thermoadaptation, Nguyen et al. reconstructed enzyme activity over 3 billion years in response to cooling temperatures. For more on evolutionary memory in modern enzymes, see page 289. Photo: Tom Murphy/National Geographic Creative

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