344 & 436
Cell cycle inhibitor may be tumor suppressor

399
Reading the address

DEPARTMENTS

THIS WEEK IN SCIENCE 325
EDITORIAL The Biological Warfare of the Future 327
LETTERS 329
Ice Age “Venuses”: A. Marshack; L. R. Caswell • The Meaning of Models: J. D. Sterman; E. J. Rykkel Jr.; N. Oreskes, K. Belitz, K. Shrader-Frechette

RESEARCH NEWS

New Tumor Suppressor May Rival p53 344
A Supergiant Dies in the Whirlpool 345
The Keck Scopes Out the Legacy of the Big Bang 346
Anthropology: Alaska Sites Contend as Native Americans’ First Stop 347
New Instruments Shed Light on Astronomy’s Future 348
Anthropologists Take the Measure of Humanity 350

RESEARCH NEWS

Livermore Faces Forces of Change 336
Countering Nuclear Terrorism
Rising Yen Threatens Key Cancer Study 338
Oceanography: ATOC Delayed as Report Laments Research Gaps
Women in Science: Disparities Detailed in NCI Division
Research Grants: ‘Secretary Snafu’ May Cost Researchers, Universities

REPORTS

Synthesis, Isolation, and Equilibration of 1,9- and 7,8-C70H2 397
C. C. Henderson, C. McM. Rohlfing, K. T. Gillen, P. A. Cahill

A Mass Spectrometric Solution to the Address Problem of Combinatorial Libraries 399
C. L. Brummel, I. N. W. Lee, Y. Zhou, S. J. Benkovic, N. Winograd

POLICY FORUM

Infectious Disease Surveillance: A Crumbling Foundation
R. L. Berkelman, R. T. Bryan, M. T. Osterholm, J. W. LeDuc, J. M. Hughes

FRONTIERS IN BIOTECHNOLOGY: RESISTANCE TO ANTIBIOTICS

NEWS REPORTS

Reviving the Antibiotic Miracle? 360
Funding Crunch Hobbles Antibiotic Resistance Research
Resistance a European Problem, Too 363
Hungary Sees an Improvement in Penicillin Resistance
Search for Sepsis Drugs Goes On Despite Past Failures
Sepsis: An Immune System Gone Haywire

322
SCIENCE • VOL. 264 • 15 APRIL 1994

Board of Reviewing Editors

John Abelson
Frederick W. Alt
Don L. Anderson
Michael Ashburner
Stephen J. Benkovic
David E. Bloom
Floyd E. Bloom
Peter Bonet
Michael S. Brown
Henry R. Bourne
James J. Bult
Kathryn Calame
C. Thomas Caskey
Dennis W. Choi
John M. Coffin
Paul J. Crutzen
Robert Desimone
Nicole Le Douarin
Bruce F. Edlidge
Paul T. Englund
Richard G. Fairbanks
Douglas T. Fearon
Harry A. Fozzard
Klaus Friedrich
Theodore H. Geabul
Margaret J. Gerlier
John C. Gerhart
Roger J. M. Glass
Stephen P. Goff
Peter N. Goodfellow
Corey S. Goodman
Stephen J. Gould
Ira Herskowitz
Eric F. Johnson
Stephen M. Kosakyn
Michael LaBarbera
Charles S. Levings III
Alexandre Levitkii
Harvey F. Lodish
Richard Losick
Diane Mathis
Anthony R. Means
Shigetada Nakanishi
Roger A. Nicoll
William H. Orme-Johnson III
Stuart L. Pinck
Yeshayau Pocker
Dennis A. Powers
Ralph S. Quarrano
V. Ramanathan
Douglas C. Rees
T. M. Rice
Eriki Ruocawhi
David C. Rubie
Gottfried Schatz
Josef Schell
Ronald H. Schwartz
Terrence J. Sejnowski
Ellen Solomon
Thomas A. Steitz
Michael P. Styk
Richard F. Thompson
Robert T. N. Tian
Emil R. Unanue
Geerat J. Vermeij
Bert Vogelstein
Harold Weintraub
Zena Werb
George M. Whitesides
Owen N. Witte
William A. Wulf
Keith Yamamoto
Keeping pace with the ability of bacteria to become resistant to antibiotics is a challenge for the clinician and the researcher. This special issue focuses on antibiotic resistance in bacteria: How does it work, and where does it come from? Bacteria have at their disposal several ways of developing resistance. The cover illustrates a low-permeability outer membrane barrier, an antibiotic-efflux pump, and gene transfer. See the special section beginning on page 359 and a related report on page 418. [Illustration: Katharine Sutiff]