NEWS & COMMENT

Turning an Info-Glut Into a Library 20

Bottleneck Keeps Existing Vaccine Off the Market 22

India Scrambles to Distribute Vaccine 23

Euro-Russian Accord Begins With 30 Days of Solitude 24

Testing the Psychology of Would-Be Astronauts

cDNA Sequences: HGS Opens Its Databanks—For a Price 25

Europe's New X-ray Source Beams With Confidence 26

Grant Applications Pile Up at NIH 27

RESEARCH NEWS

Who Profits From Ecological Disaster? Between Extinctions, Evolutionary Stasis 28

Solar Farms May Reap Gamma Rays 30

A Giant Licks Its Wounds 31

Chemists Clean Up Synthesis With One-Pot Reactions 32

Crafting a Cage for Cholesterol 34

POLICY FORUMS

The Role of Biomedical Research in Health Care Reform 49

M. W. Kirschner, E. Marincola, E. O. Teisberg

The Paradox of Critical Mass for Women in Science 51

H. Etzkowitz, C. Kemelgor, M. Neuschätz, B. Uzi, J. Alonzo

PERSPECTIVES

Are Teflon “Ponytails” the Coming Fashion for Catalysts? 55

J. A. Gladysz

14-3-3: Modulators of Signaling Proteins? 56

D. Morrison

ARTICLE

Physical and Biological Controls on Carbon Cycling in the Equatorial Pacific 58

J. W. Murray, R. T. Barber, M. R. Roman, M. P. Bacon, R. A. Feely

RESEARCH ARTICLES

A Strong Candidate for the Breast and Ovarian Cancer Susceptibility Gene BRCA1 66

Y. Miki, J. Swensen, D. Shattuck-Eidens, P. A. Futreal, K. Harshman, S. Tavtigian, Q. Liu, C. Cochran, L. M. Bennett, W. Ding, R. Bell, ...
"Walking with the Ghosts of My Grandmothers" (1992), signature oil painting of artist Hollis Sigler's Breast Cancer Journal series. Through this series Sigler has tried to convey the emotional impact of a disease that affects one in nine women in the United States. Two papers in this issue (see pages 66 and 120) report a major step forward in breast cancer research—the identification of the long-sought BRCA1 gene, a critical determinant of hereditary breast cancer. [Photo: Michael Tropea]


Facile Catalyst Separation Without Water: Fluorobiphasic Hydroformylation of Olefins I. T. Horváth and J. Rábai

Crystal and Molecular Structure of a Collagen-Like Peptide at 1.9 A Resolution J. Bella, M. Eaton, B. Brodsky, H. M. Berman

REPORTS


Cystic Fibrosis Heterozygote Resistance to Cholera Toxin in the Cystic Fibrosis Mouse Model 107

110

Hydroxylase


RNA Editing: Transfer of Genetic Information from gRNA to Precursor mRNA in Vitro S. D. Seiwert and K. Stuart


Phosphate-Regulated Inactivation of the Kinase PHO80-PHOS85 by the CDK Inhibitor PHO81 K. R. Schneider, R. L. Smith, E. K. O'Shea

Interaction of the Protein Kinase Raf-1 with 14-3-3 Proteins H. Fu, K. Xia, D. C. Pallas, C. Cui, K. Conroy, R. P. Narsimhan, H. Mamon, R. J. Collier, T. M. Roberts Association of the Protein Kinases c-Bcr and Bcr-Ab1 with Proteins of the 14-3-3 Family G. W. Reuther, H. Fu, L. C. Cripe, R. J. Collier, A. M. Pendergast