Editorial

1089 Cancer Research: Prevention and Therapy

Letters

1090 Hood Lab Investigation: V. KUMAR; Response: E. E. SERCARZ; J. BRESSLER AND J. LATERRA

ScienceScope

1099 Commercializing a “Star Wars” cast off; foreseeing UC’s financial future; etc.

News & Comment

1100 Weapons Labs: After the Cold War ■ Researchers Complain of Loss of Academic Freedom ■ Have Talent, Will Contract
1103 Now Dingell Probes the Academy!
1104 OSTP to Wade Into Gene Patent Quagmire
1105 FDA Committee Raises AIDS Vaccine Hurdles
1106 In Search of a New Cosmic Blueprint
1108 Neuroscience Meets the Big Easy: Patch Clamping au Naturel ■ Brain Grafts for Huntington’s Disease Too Much Too Soon? ■ Retinoids May Help You See In More Ways Than One
1109 Galileo Hits Its Target
1110 Did a Rain of Comets Nurture Life?: Bringing in a Comet For Landing ■ A Cometary Source for Cockeyed Molecules?
1111 A Layer by Layer Look at the Skin Blister Diseases
1113 Briefings: Single-Celled Killer In Monterey Bay ■ Rx for Speedy Drug Approval ■ Tracking the AIDS Drugs ■ A Big Chill Grips Geothermal Energy

Research News

1114 Cancer Research in Europe: Europe: As Many Cancers as Cuisines
1116 Three Europeans Find Their Own Road to Fame: Life at the Front ■ A Pressure to Think ■ The Virtues of Patience
1117 Funding in Europe: How the Big Three Cope ■ Jacques Crozembrac: One Man and His Foundation

Articles

1131 Toward the Primary Prevention of Cancer: B. E. HENDERSON, R. K. ROSS, M. C. PIKE
1138 Tumor Suppressor Genes: R. A. WEINBERG
1146 Growth Factors and Cancer: S. A. AARONSON
1153 Chromosome Aberrations and Cancers: E. SOLOMON, J. BORROW, A. D. GODDARD
1161 Transgenic Models of Tumor Development: J. M. ADAMS AND S. CORY
1167 Viruses in Human Cancers: H. ZUR HAUSEN
1173 Recombinant Toxins for Cancer Treatment: I. PASTAN AND D. FITZGERALD

Reports


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Cooperative Solution of Constraint Satisfaction Problems: S. H. Clearwater, B. A. Huberman, T. Hogg

Radical Reactions of C60: P. J. Krusic, E. Wasserman, P. N. Keizer, J. R. Morton, K. F. Preston


Evidence for Multiple Sources of Diamond from Primitive Chondrites: S. S. Russell, J. W. Arden, C. T. Pillinger

Reduced Antarctic Ozone Depletions in a Model with Hydrocarbon Injections: R. J. Cicerone, S. Elliott, R. P. Turco


Binding of ARF and β-COP to Golgi Membranes: Possible Regulation by a Trimeric G Protein: J. G. Donaldson, R. A. Kahn, J. Lippincott-Schwartz, R. D. Klausner

Structurally Homologous Ligand Binding of Integrin Mac-1 and Viral Glycoprotein C Receptors: D. C. Alutrier, O. Etingin, D. S. Fair, T. K. Brunck, J. E. Gelotsky, D. P. Hajar, T. S. Edgington


DNA Bending by Fos and Jun: The Flexible Hinge Model: T. K. Kerppola and T. Curran


Be It Resolved: Ups and Downs in the Making of AAAS Resolutions ■ In Brief ■ 1992–93 AAAS Fellowships ■ Science and Security


Automated Single Cell Selection and Transfer ■ Five Parameter Water Quality Probe ■ Multiple Peptide Synthesis System ■ Monoclonal Antibody Purification Kit ■ Graphics Software ■ Gel Rocker ■ Automated DNA Sequencer ■ Cell Freezing Medium ■ Literature

Cover In this special issue, seven articles explore developments in basic and applied research that are increasing our understanding of the pathways leading to cancer. The syringe symbolizes the new approaches to prevention and therapy that are being developed and tested as a result of research advances. See pages 1131 to 1177. In addition, there is a special section highlighting personalities and issues in European cancer research. See pages 1114 to 1119. [Cover illustration by Julie Cherry]