This Week in Science

Editorial

437 A Time for Steadiness: C. J. PING

Letters


News & Comment

440 Bloch Prepares NSF for Lean Years
441 Fill the Oil Reserve, Academy Report Says
443 Pentagon's R&D Chief Rolls the Waters ■ Hicks Attacks SDI Critics ■ Packard Panel Urges Reforms

446 Briefing: USDA Suspends License for Engineered Vaccine ■ Laser Fusion Program Burdened by Overclassification ■ Smithsonian Photobiology Lab to Close ■ European Commission Proposes Shift in Joint Research

Research News

448 Researchers Hunt for Alzheimer's Disease Gene
450 Briefing: Mountain Goat Horn: A Clue to Extinction?
451 Consensus on Silicon Surface Structure Near ■ STM Evidence for Silicon (111)

Articles

459 Sex Differences in Economic Well-Being: V. R. FUCHS
464 Design of Sequence-Specific DNA-Binding Molecules: P. B. DERVAN
472 Diamonds and the African Lithosphere: F. R. BOYD and J. J. GURNEY

Research Articles

477 Biochemical and Genetic Evidence for the Hepatitis B Virus Replication Strategy: C. SEEGER, D. GANEM, H. E. VARMUS

Reports

485 Potential Metal-Binding Domains in Nucleic Acid Binding Proteins: J. M. BERG
487 Occurrence of Peptide and Clavine Ergot Alkaloids in Tall Fescue Grass: P. C. LYONS, R. D. PLATTNER, C. W. BACON
489 De Gustibus Non Est Disputandum: A Spiral Center for Taste in the Brain of the Teleost Fish, Heterotis niloticus: M. R. BRAFORD, JR.
491 Molecular Analysis of the t(2;14) Translocation of Childhood Chronic Lymphocytic Leukemia: H. P. FELL, R. G. SMITH, P. W. TUCKER
494 Interspecific Genetic Control of Courtship Song Production and Reception in Drosophila: C. P. KYRIACOU and J. C. HALL
497 Bioavailability of Dioxin in Soil from a 2,4,5-T Manufacturing Site: T. H. UMBREIT, E. J. HESSE, M. A. GALLO

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Pseudocolor digitized computer image of fluorescence intensity distribution in human fibroblasts stained with carboxyfluorescein diacetate. Fluorescence in a cell can be bleached with a laser and intercellular communication assayed by rapidly and repeatedly measuring the redistribution of carboxyfluorescein in bleached and unbleached cells. Addition of tumor-promoting agents can block the intercellular communication. See page 525. [Margaret H. Wade, Meridian Instruments, Inc., Okemos, Michigan, and James E. Trosko and Melvin Schindler, Michigan State University, East Lansing 48824]

500 Selectivity of Intracellular Proteolysis: Protein Substrates Activate the ATP-Dependent Protease (La): L. Waxman and A. L. Goldberg

503 Restoration by Calmodulin of a Ca**2+-**Dependent K**+** Current Missing in a Mutant of Paramecium: R. D. Hinrichsen, A. Burgess-Cassler, B. C. Solveldt, T. Hennessey, C. Kung


518 Gene Transfer and Molecular Cloning of the Human NGF Receptor: M. V. Chao, M. A. Bothwell, A. H. Ross, H. Koprowski, A. A. Lanahan, C. R. Buck, A. Sehgal


525 A Fluorescence Photobleaching Assay of Gap Junction–Mediated Communication Between Human Cells: M. H. Wade, J. E. Trosko, M. Schindler

531 In the Name of Eugenics, reviewed by E. A. Carlson

535 Tissue Processor • Viscometer • Software for Chemical Safety • Scanning Electron Microscope • Microcentrifuge • Biohazard Disposal • Research Detection of AIDS Antibodies • Probe Technology • Supercomputer