1635 This Week in Science

Editorial
1637 The Molecule of the Year

Molecule of the Year

Letters
1644 Carcinogens and Human Health: Part I; F. P. PERERA; B. N. AMES and L. S. GOLD ■ The Avocado Illusion: P. E. SANDORFF

News & Comment
1648 Choosing Detectors for the SSC
1651 Stanford Sails into a Storm
A Rare View of the Moon
1652 Biomedical Funding: The Eternal “Crisis” ■ Plus ça Change
1654 Space Program: A Blueprint for Ambiguity?

Research News
1655 Slow Going for Blood Substitutes ■ Blood, Money, and the Pentagon
1657 Immune Mystery Revealed: How MHC Meets Antigen
1658 Astro-1: From the Jaws of Defeat
1659 Breast Cancer: Two Steps Closer to Understanding
1660 Volcanoes: Old, New, and—Perhaps—Yet to Be: A New Wrinkle for the Face of Venus ■ Volcano Watchers Await Long Valley’s Signal ■ Surging Plate Tectonics Erupts Beneath the Sea

Articles
1665 A Mechanism for Social Selection and Successful Altruism: H. A. SIMON
1669 Biomass Burning in the Tropics: Impact on Atmospheric Chemistry and Biogeochemical Cycles: P. J. CRUTZEN and M. O. ANDREAE
1678 Mechanisms in the Cycle of Violence: K. A. DODGE, J. E. BATES, G. S. PETTIT

Research Articles
1690 Cloning and Expression of a Developmentally Regulated Protein That Induces Mitogenic and Neurite Outgrowth Activity: Y.-S. LI, P. G. MILNER et al.
1694 Targeting the E1 Replication Protein to the Papillomavirus Origin of Replication by Complex Formation with the E2 Transactivator: I. J. MOHR, R. CLARK et al.

Reports
1700 Iridium Profile for 10 Million Years Across the Cretaceous-Tertiary Boundary at Gubbio (Italy); W. ALVAREZ, F. ASARO, A. MONTANARI
1702 Kinematics of Late Paleozoic Continental Collision Between Laurentia and Gondwana: P. E. SACKS and D. T. SECOR, Jr.
1705 Control of a Desert-Grassland Transition by a Keystone Rodent Guild: J. H. BROWN and E. J. HESKE
Zinc Mediation of the Binding of Human Growth Hormone to the Human Prolactin Receptor: B. C. CUNNINGHAM, S. Bass, G. FHU, J. A. WILLS

Stable, Monomeric Variants of a Cro Obtained by Insertion of a Designed β-Hairpin Sequence: M. C. MOSSING and R. T. SAUER


Induction by Antigen of Intrathymic Apoptosis of CD4⁺CD8⁺ TCR⁺ THYMOCYTES IN VIVO: K. M. MURPHY, A. B. HEIMBERGER, D. Y. LOH

Transport Protein Genes in the Murine MHC: Possible Implications for Antigen Processing: J. J. MONACO, S. CHEN, M. ATTAYA


Hemolin: An Insect-Immune Protein Belonging to the Immunoglobulin Superfamily: S.-C. SUN, I. LINDSTRÖM, H. G. BOMAN, I. FAYE, O. SCHMIDT

Dominant Negative Regulation of the Mouse α-Fetoprotein Gene in Adult Liver: J. VACHER and S. M. TILGHMAN

Calcium-Sensitive Inactivation in the Gating of Single Calcium Channels: D. T. YUE, P. H. BACKX, J. P. IMREY


Regulation of Progesterone Receptor-Mediated Transcription by Phosphorylation: L. A. DENNER, N. L. WEIGEL, B. L. MAXWELL et al.

Early Enhancement of Calcium Currents by H-ras Oncoproteins Injected into HEMMISENDA NeURONS: C. COLLIN, A. G. PAPAGEORGE, D. R. LOWY et al.

Hot Spots for Growth Hormone Gene Deletions in Homologous Regions Outside of Alu Repeats: C. L. VNECNACK-JONES and J. A. PHILLIPS III


Forensic Scientists Uncovering Fate of Brazil's "Disappeared" with help of AAAS ■ Spotlight on Top Scientists in Africa ■ Global Warming: Not Only Show in Town ■ Fellows Sought from Industry for OSTP Posts ■ Interview with Ivan Havel: Science in Eastern Europe

The High-Status Track, reviewed by D. KAREN ■ The Diverted Dream, H. S. WECHSLER ■ Moments in the Life of a Scientist, M. W. FRIEDLANDER ■ Freedom in Machining, J. DUFFY and M. GRIFFIS ■ The Astronomer's Universe, K. BRACHER ■ The Mechanics of Earthquakes and Faulting, R. L. BURH ■ Books Received

Nucleic Acid Cross-Linker ■ Powerful Desktop PC ■ Colorimetric Web for Protein Immunoblotting ■ Monoclonal Antibodies • Ribonuclease Protection Assay Kit ■ Chemiluminescent DNA-Typing Kit ■ Literature

Author Index to Volume 250 is found on pages I-X

Information for Contributors is found on pages XI-XII
Science 250 (4988), 1635-1764.

http://science.sciencemag.org/content/250/4988

http://www.sciencemag.org/help/reprints-and-permissions