1635 This Week in Science

Editorial

1637 The Molecule of the Year

Molecule of the Year


Letters


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
1662 Briefings: NSF Watch Plays Up Misconduct • Natech Man Gets Younger • Gazing Through a Gravitational Lens • What Next for the Energy Labs? • Brown Ousts Staffer from Committee • Ulysses: All Shook Up • Pinning Down Sequencing Costs • GAO Finds Weapons Labs Vulnerable...

Articles

1665 A Mechanism for Social Selection and Successful Altruism: H. A. Simon
1678 Mechanisms in the Cycle of Violence: K. A. Dodge, J. E. Bates, G. S. Pettiti

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 Gondwanan: 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. Jeske
1709 Zinc Mediation of the Binding of Human Growth Hormone to the Human Prostate Receptor: B. C. CUNNINGHAM, S. BASS, G. FUH, J. A. WELLS

1712 Stable, Monomeric Variants of κ-Cro Obtained by Insertion of a Designed β-Hairpin Sequence: M. C. MOSSING and R. T. SAUER


1720 Induction by Antigen of Intrathymic Apoptosis of CD4+CD8+ TCRb+ Thymocytes in Vivo: K. M. MURPHY, A. B. HEIMBERGER, D. Y. LOH

1723 Transport Protein Genes in the Murine MHC: Possible Implications for Antigen Processing: J. J. MONACO, S. CHO, M. ATTAYA


1729 Hemolin: An Insect-Immune Protein Belonging to the Immunoglobulin Superfamily: S.-C. SUN, I. LINDBRÖM, H. G. BOMAN, J. FAYE, O. SCHMIDT

1732 Dominant Negative Regulation of the Mouse α-Fetoprotein Gene in Adult Liver: J. VACHER and S. M. TILGHMAN

1735 Calcium-Sensitive Inactivation in the Gating of Single Calcium Channels: D. T. YUE, P. H. BACKX, J. P. IMREDY


1740 Regulation of Progestosterone Receptor-Mediated Transcription by Phosphorylation: L. A. DENNER, N. L. WEIGEL, B. L. MAXWELL et al.


1745 Hot Spots for Growth Hormone Gene Deletions in Homologous Regions Outside of Alu Repeats: C. L. VNENCAK-JONES and J. A. PHILLIPS III

Technical Comments
1749 Type 1 Neurofibromatosis Gene: Correction: M. R. WALLACE, D. A. MARCHUK, L. B. ANDERSON, F. S. COLLINS; G. R. SEUSE; M. R. WALLACE et al.,

Inside AAAS
1750 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

Book Reviews
1754 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 Machinry, J. DUFFY and M. GRIFFIS ■ The Astronomer's Universe, K. BRACHER ■ The Mechanics of Earthquakes and Faulting, R. L. BRUHN ■ Books Received

Products & Materials
1764 Nucleic Acid Cross-Linker ■ Powerful Desktop PC ■ Colorimetric Web for Protein Immunoblotting ■ Monoclonal Antibodies ■ Ribonucleoside 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