NASA Picks a Budget Lunar Trip

Floyd Bloom: The Next Editor-in-Chief of Science
R. A. Lerner and R. Guillemin

Targeting Retroviral Integration
F. Bushman

APOPTOSIS
Mechanisms and Genes of Cellular Suicide
H. Steller

The Fas Death Factor
S. Nagata and P. Golstein

Apoptosis in the Pathogenesis and Treatment of Disease
C. B. Thompson

Structure of a Hyperthermophilic Tungstopterin Enzyme, Aldehyde Ferredoxin Oxidoreductase
Apoptosis (programmed cell death) in the nervous system of the *Drosophila* sine oculis mutant. A retina and brain exhibiting excessive cell death during development of the visual system were stained with acridine orange to identify cells undergoing apoptosis (orange dots). The mechanism of programmed cell death (see page 1445), along with the Fas system of triggering apoptosis (page 1449) and cell death in disease and therapy (page 1456), are examined in a trio of Articles focusing on apoptosis. [Photo: Hermann Steller, Howard Hughes Medical Institute, Massachusetts Institute of Technology]

**REPORTS**

The Elemental Composition of the

Corona of Procyon: Evidence for the Absence of the FIP Effect


Conducting Layered Organic-Inorganic Halides Containing (110)-Oriented Perovskite Sheets


A “Double-Diamond Superlattice” Built Up of Cd$_2$S$_3$(SCH$_2$CH$_2$OH)$_2$ Clusters


Micrometer- and Nanometer-Sized Polymeric Light-Emitting Diodes

M. Granström, M. Berggren, O. Inganis

Influence of Lunar Phase on Daily Global Temperatures

R. C. Balling Jr. and R. S. Cerveny

Conformation of Macromolecules in the Gas Phase: Use of Matrix-Assisted Laser Desorption Methods in Ion Chromatography

G. von Helden, T. Wytenbach, M. T. Bowers

Control of IxB-α Proteolysis by Site-Specific, Signal-Induced Phosphorylation

K. Brown, S. Gerberger, L. Carlson, G. Fransozo, U. Siebenlist

Requirement of RNA Polymerase III Transcription Factors for in Vitro Position-Specific Integration of a Retroviruslike Element

J. Kirchner, C. M. Connolly, S. B. Sandmeyer

Glutamate Receptor RNA Editing in Vitro by Enzymatic Conversion of Adenosine to Inosine

S. M. Ritter, C. M. Burns, S. A. Coode, P. Mookherjee, R. B. Emeson

Involvement of CRAF1, a Relative of TRAF, in CD40 Signaling


Crystal Structure of the Tetramerization Domain of the p53 Tumor Suppressor at 1.7 Ångstoms

P. D. Jeffrey, S. Gorina, N. P. Pavletich

Pineal Opsin: A Nonvisual Opsin Expressed in Chick Pineal


Massive Cell Death of Immature Hematopoietic Cells and Neurons in Bcl-x-Deficient Mice


Synaptic Desensitization of NMDA Receptors by Calcineurin

G. Tong, D. Shepherd, C. E. Jahr

Storage of $7 ± 2$ Short-Term Memories in Oscillatory Subcycles

J. E. Lisman and M. A. P. Idiart

**TECHNICAL COMMENTS**

Interhelical Angles in the Solution Structure of the Oligomerization Domain of p53: Correction


Change of address: allow 6 weeks, giving old and new addresses and 11-digit account number. Postmaster: Send change of address to Science, P.O. Box 2033, Marion, OH 43050-2033. Single copy sales: $7.00 per issue prepaid includes surface postage; bulk rates on request. Authorization to photocopy material for internal or personal use under circumstances not falling within the fair use provisions of the Copyright Act is granted by AAAS to libraries and other users registered with the Copyright Clearance Center (CCC), Transactional Reporting Service, provided that the base fee of $1 per copy plus $0.10 per page is paid directly to CCC, 27 Congress Street, Salem, MA 01970. The identification code for Science is 0036-8075/83 $1 + .10. Science is indexed in the Reader's Guide to Periodical Literature and in several specialized indexes.