NEWS & COMMENT

Alzheimer's Debate Boils Over
Evidence (for and Against) β-Amyloid's Neurotoxicity

1336

Hurricane Andrew: Research Destruction and Opportunity in Storm's Wake
Not Enough to Save the Bay

1339

INDIRECT COSTS: GAO Lays Out Some Options

1340

Court Orders PHS to Reveal Names

1341

Online Journal Joins Forces With Lancet

1341

RESEARCH NEWS

Can 'Hair Cells' Unlock Deafness?

1344

Using Genes to Track Down Indo-European Migrations

1346

Crop Scientists Break Down Barriers at Ames Meeting

1347

Chemistry Pitches Its Big Tent at Washington Gathering

1348

PERSPECTIVES

Anyons Superconduct, But Do Superconductors Have Anyons?
S. M. Girvin

1354

MAP Kinases: Charting the Regulatory Pathways
S. L. Pelech and J. S. Sanghera

1355

ARTICLES

Experiencing and Perceiving Visual Surfaces
K. Nakayama and S. Shimojo

1357

Detection of Hydrothermal Precursors to Large Northern California Earthquakes
P. G. Silver and N. J. Valette-Silver

1363

RESEARCH ARTICLE

Short-Lived Radioactivity and Magma Genesis
J. Gill and M. Condomines

1368

DEPARTMENTS

THIS WEEK IN SCIENCE

1325

EDITORIAL

Regulation of Transgenic Plants
C. J. Arntzen

1327

LETTERS

Myoblast Transplantation: P. K. Law; T. E. Furlong; The Editors

1329

Carcinogenicity of Butadiene: D. P. Rall; D. A. Dankovic, L. T. Stayner, R. J. Smith, A. J. Bailar; P. J. Landrigan; P. H. Abelson

1339

SCIENCESCOPE

Agent Orange hazards revisited, etc.

1335

RANDOM SAMPLES

Brain as a Renewable Resource • Tracking Elephants by Satellite • Engineer Makes Mayhem in Montreal • GAO Bashes SSC Cost and Schedule Claims, etc.

1342

BOOK REVIEWS

Prehistoric Cannibalism at Mancos 5MTUMR-2346, reviewed by P. Villa • The Genome of Drosophila melanogaster, W. M. Gelbart • Molecules of the Cytoskeleton, T. Stearns • An Introduction to Astrophysical Hydrodynamics, E. Vishniac • Books Received

1420

PRODUCTS & MATERIALS

1425

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1322

SCIENCE • VOL. 257 • 4 SEPTEMBER 1992
Micrometer-wide lines of a hydrophobic self-assembled monolayer separate square regions of a hydrophilic monolayer; drops of water (with blue and green coloration) wet the square regions but do not contact one another. The lines of separation provide new structures with which to manipulate the shapes of liquid drops. See page 1380. The sides of each square are about 4 millimeters long. The blue drops do not completely wet the corners. [Photograph: F. Frankel]

**REPORTS**

No Evidence of a Circumsolar Dust 1377

Ring from Infrared Observations of the 1991 Solar Eclipse 1377

P. Lamy, J. R. Kuhn, H. Lin, S. Kouthchmy, R. N. Smartt

Manipulation of the Wettability of Surfaces on the 0.1- to 1-Micrometer Scale Through Micromachining and Molecular Self-Assembly 1380

N. L. Abbott, J. P. Folkers, G. M. Whitesides

The Autographa californica Baculovirus Genome: Evidence for Multiple Replication Origins 1382

M. Pearson, R. Bjornson, G. Pearson, G. Rohrmann

Genesis of Acetate and Methane by Gut Bacteria of Diverse Termites 1384

A. Brauman, M. D. Kane, M. Labat, J. A. Breznak

Oligomerization of Ribonucleotides on Montmorillonite: Reaction of the 5'-Phosphorimidazolide of Adenosine 1387

J. P. Ferris and G. Ertem

Cloning of a Subunit of Yeast RNA Polymerase II Transcription Factor b and CTD Kinase 1389

O. Gileadi, W. J. Feaver, R. D. Kornberg

Cloning of the 62-Kilodalton Component of Basic Transcription Factor BTF2 1392


Modulation of the Dimerization of a Transcriptional Antiterminator Protein by Phosphorylation 1395

O. Amster-Choder and A. Wright

MacroH2A, a Core Histone Containing a Large Nonhistone Region 1398

J. R. Pehrson and V. A. Fried

Salvage of Infarcted Myocardium by Angiogenic Action of Basic Fibroblast Growth Factor 1401


Activation of Mitogen-Activated Protein Kinase Kinase by v-Raf in NIH 3T3 Cells and in Vitro 1404


A 90-Kilodalton Endothelial Cell Molecule Mediating Lymphocyte Binding in Humans 1407

M. Salmi and S. Jalkanen

Estimating Genomic Distance from DNA Sequence Location in Cell Nuclei by a Random Walk Model 1410

G. van den Engh, R. Sachs, B. J. Trask

Dependence of Cortical Plasticity on Correlated Activity of Single Neurons and on Behavioral Context 1412

E. Ahissar, E. Vaadia, M. Ahissar, H. Bergman, A. Arieli, M. Abeles

Control by Asparagine Residues of Calcium Permeability and Magnesium Blockade in the NMDA Receptor 1415

N. Burnashev, R. Schoepfer, H. Monyer, J. P. Ruppersberg, W. Günther, P. H. Seeburg, B. Sakmann

**1363**

A geyser that predicts earthquakes?

**1357**

How do we see in three dimensions?

* Indicates accompanying News story or Perspective

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