This Week in Science

Frontiers in Neuroscience


Random Audit of Papers Proposed

Authorship, Data Ownership Examined

Stanford Inquiry Casts Doubt on 11 Papers

NIH Holds a Science Fair

Billion Dollar Price Tag for New Animal Rules

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Curbing Soviet Disinformation* Bush Discusses Science Policy* NAE Creates New Prize* Research Resources Merger

The Elusive Replacements for CFCs* The Old and the New

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A Nobel Prize for the Two-Neutrino Experiment

Family Relationships Are a Biological Conundrum

Membrane Protein Holds Photosynthetic Secrets

Axon Guidance and the Patterning of Neuronal Projections in Vertebrates: J. Dodd and T. M. Jessell

Growth Cone Guidance in Insects: Fascin II Is a Member of the Immunoglobulin Superfamily: A. L. Harrelson and C. S. Goodman

Neuronal Cytomechanics: The Actin-Based Motility of Growth Cones: S. J. Smith

Cellular and Molecular Mechanisms of Drug Dependence: G. F. Koob and F. E. Bloom

Long-Term Synaptic Potentiation: T. H. Brown, P. F. Chapman, E. W. Kairiss, C. L. Keenan

The Neural Basis for Learning of Simple Motor Skills: S. G. Lisberger

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COVER  False color map of intracellular calcium concentration in a guinea pig cerebellar Purkinje cell at the onset of a wave of complex spike activity. A high calcium concentration is observed in the distal dendritic tree. The map was produced from microfluorometric imaging of the fluorescent calcium indicator fura-2. See page 773. [D. W. Tank and J. A. Connor, Molecular Biophysics Research Department, AT&T Bell Laboratories, Murray Hill, NJ 07974; M. Sugimori and R. R. Llinás, Department of Physiology and Biophysics, New York University School of Medicine, New York, NY 10016]

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