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Evolutionary Relatedness of Plasmodium Species as Determined by the Structure of DNA: T. F. McCutchan et al.

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Direct Demonstration of Impaired Functionality of a Purified Desensitized β-Adrenergic Receptor in a Reconstituted System: B. Strulovici et al.
Isolation of Lymphocytopenic Retroviruses from San Francisco Patients with AIDS: J. A. Levy et al.
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O-Acetylation of Disialoganglioside GD3 by Human Melanoma Cells Creates a Unique Antigenic Determinant: D. A. Cheresh, R. A. Reisfeld, A. P. Varki
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Enhanced Neural Response to Familiar Olfactory Cues: R. Coopersmith and M. Leon
Illumination Induces Dye Incorporation in Photoreceptor Cells: M. Wilcox and N. Franceschini
Identified Interneurons Produce Both Primary Afferent Depolarization and Presynaptic Inhibition: M. D. Kirk and J. J. Wine

COVER
Orderly arrangement of the photoreceptor mosaic in the compound eye of the house fly revealed by epifluorescence microscopy. As a result of illumination, preselected photoreceptor cells have captured a yellow fluorescent dye which stains each cell down to its synaptic terminal. Present evidence suggests that illumination of these receptors provokes an “induced endocytosis” of the dye which was added to the extracellular space. See page 851. [Michael Wilcox and Nicolas Franceschini, Institut de Neurophysiologie et Psychophysiologie, Centre National de la Recherche Scientifique, Marseille, France]
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