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- 1835 Rolls, E.T., Y. Miyashita, P.M.B. Cahusac, R.P. Kesner, H. Niki, J.D. Feigenbaum, and L. Bach: Hippocampal Neurons in the Monkey with Activity Related to the Place in Which a Stimulus Is Shown
- 1846 R ethelyi, M., A.R. Light, and E.R. Perl: Synaptic Ultrastructure of Functionally and Morphologically Characterized Neurons of the Superficial Spinal Dorsal Horn of Cat
- 1864 Wang-Bennett, L.T., C. Pfeiffer, J. Arnold, and R.M. Glantz: Acetylcholine in the Crayfish Optic Lobe: Concentration Profile and Cellular Localization
- 1872 Pfeiffer, C., and R.M. Glantz: Cholinergic Synapses and the Organization of Contrast Detection in the Crayfish Optic Lobe
- 1883 Mackie, K., B.C. Sorkin, A.C. Nairn, P. Greengard, G.M. Edelman, and B.A. Cunningham: Identification of Two Protein Kinases That Phosphorylate the Neural Cell-Adhesion Molecule, N-CAM
- 1897 Dailey, M.E., and P.C. Bridgman: Dynamics of the Endoplasmic Reticulum and Other Membranous Organelles in Growth Cones of Cultured Neurons
- 1910 McCrimmon, D.R., J.C. Smith, and J.L. Feldman: Involvement of Excitatory Amino Acids in Neurotransmission of Inspiratory Drive to Spinal Respiratory Motoneurons
- 1922 Zola-Morgan, S., L.R. Squire, and D.G. Amaral: Lesions of the Amygdala That Spare Adjacent Cortical Regions Do Not Impair Memory or Exacerbate the Impairment Following Lesions of the Hippocampal Formation
- 1937 Koenig, J.H., T. Kosaka, and K. Ikeda: The Relationship Between the Number of Synaptic Vesicles and the Amount of Transmitter Released
- 1943 Falc on, J., J. Brun Marmillon, B. Claustrat, and J.-P. Collin: Regulation of Melatonin Secretion in a Photoreceptive Pineal Organ: An *in vitro* Study in the Pike
- 1951 Kingan, T.G., and J.G. Hildebrand: Sexually Dimorphic Polypeptides in Developing Antennal Sensory Neurons of an Insect
- 1961 Ginzburg, I., L. Behar, U.Z. Littauer, and W.S.T. Griffin: Differential Localization of Microtubules in Cerebellar Cells

**Cover Picture:** A wholemount electron micrograph of a growth cone from a rat superior cervical ganglion neuron culture prepared by direct freezing from the living state followed by freeze substitution and critical-point drying. The living growth cones can be stained with the fluorescent dye DiOC<sub>6</sub> which allows the visualization of the dynamics of the endoplasmic reticulum and other membranous organelles. Photograph provided by the authors, M.E. Dailey and P.C. Bridgman, from their paper (pp. 1897–1909, this issue).

- 1968 Gallemore, R.P., and R.H. Steinberg: Effects of DIDS on the Chick Retinal Pigment Epithelium. I. Membrane Potentials, Apparent Resistances, and Mechanisms
- 1977 Gallemore, R.P., and R.H. Steinberg: Effects of DIDS on the Chick Retinal Pigment Epithelium. II. Mechanism of the Light Peak and Other Responses Originating at the Basal Membrane
- 1985 Rinaman, L., J.P. Card, J.S. Schwaber, and R.R. Miselis: Ultrastructural Demonstration of a Gastric Monosynaptic Vagal Circuit in the Nucleus of the Solitary Tract in Rat
- 1997 Voyvodic, J.T.: Peripheral Target Regulation of Dendritic Geometry in the Rat Superior Cervical Ganglion
- 2011 Chesler, M., and R.P. Kraig: Intracellular pH Transients of Mammalian Astrocytes
- 2020 Lou, L.L., and H. Schulman: Distinct Autophosphorylation Sites Sequentially Produce Autonomy and Inhibition of the Multifunctional  $\text{Ca}^{2+}$ /Calmodulin-Dependent Protein Kinase
- 2033 Rodman, H.R., C.G. Gross, and T.D. Albright: Afferent Basis of Visual Response Properties in Area MT of the Macaque. I. Effects of Striate Cortex Removal
- 2051 Kuczenski, R., and D. Segal: Concomitant Characterization of Behavioral and Striatal Neurotransmitter Response to Amphetamine Using *in vivo* Microdialysis
- 2066 Speciale, C., K. Hares, R. Schwarcz, and N. Brookes: High-Affinity Uptake of L-Kynurenine by a  $\text{Na}^{+}$ -Independent Transporter of Neutral Amino Acids in Astrocytes
- 2073 Bridges, R.J., D.R. Stevens, J.S. Kahle, P.B. Nunn, M. Kadri, and C.W. Cotman: Structure-Function Studies on *N*-Oxalyl-Diamino-Dicarboxylic Acids and Excitatory Amino Acid Receptors: Evidence That  $\beta$ -L-ODAP Is a Selective Non-NMDA Agonist
- 2080 Kalaska, J.F., D.A.D. Cohen, M.L. Hyde, and M. Prud'homme: A Comparison of Movement Direction-Related Versus Load Direction-Related Activity in Primate Motor Cortex, Using a Two-Dimensional Reaching Task
- 2103 Farel, P.B.: Naturally Occurring Cell Death and Differentiation of Developing Spinal Motoneurons Following Axotomy
- 2114 Milner, T.A., V.M. Pickel, and D.J. Reis: Ultrastructural Basis for Interactions Between Central Opioids and Catecholamines. I. Rostral Ventrolateral Medulla
- 2131 Washburn, M., and H.C. Moises: Electrophysiological Correlates of Presynaptic  $\alpha_2$ -Receptor-Mediated Inhibition of Norepinephrine Release at Locus Coeruleus Synapses in Dentate Gyrus
- 2141 O'Donoghue, D.L., J.S. King, and G.A. Bishop: Physiological and Anatomical Studies of the Interactions Between Purkinje Cells and Basket Cells in the Cat's Cerebellar Cortex: Evidence for a Unitary Relationship
- 2151 Moore, R.Y., and M.E. Bernstein: Synaptogenesis in the Rat Suprachiasmatic Nucleus Demonstrated by Electron Microscopy and Synapsin I Immunoreactivity
- 2163 Velazquez, J.L., C.L. Thompson, E.M. Barnes, Jr., and K.J. Angelides: Distribution and Lateral Mobility of GABA/Benzodiazepine Receptors on Nerve Cells
- 2170 Woodhams, P.L., M. Webb, D.J. Atkinson, and P.J. Seeley: A Monoclonal Antibody, Py, Distinguishes Different Classes of Hippocampal Neurons

- 2182 London, J.A., L.B. Cohen, and J.-Y. Wu: Optical Recordings of the Cortical Response to Whisker Stimulation Before and After the Addition of an Epileptogenic Agent
- 2191 Foster, A.C., and J.A. Kemp: HA-966 Antagonizes *N*-Methyl-D-Aspartate Receptors through a Selective Interaction with the Glycine Modulatory Site
- 2197 Somogyi, P., H. Takagi, J.G. Richards, and H. Mohler: Subcellular Localization of Benzodiazepine/GABA<sub>A</sub> Receptors in the Cerebellum of Rat, Cat, and Monkey Using Monoclonal Antibodies
- 2210 Harris, L.W., and D. Purves: Rapid Remodeling of Sensory Endings in the Corneas of Living Mice

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