

# THE JOURNAL OF NEUROSCIENCE

AUGUST 1984

VOLUME 4 NUMBER 8

THE OFFICIAL JOURNAL OF THE SOCIETY FOR NEUROSCIENCE

## CONTENTS

LORDEN, J. F., T. W. McKEON, H. J. BAKER, N. COX, AND S. U. WALKLEY: Characterization of the Rat Mutant Dystonic ( <i>dt</i> ): A New Animal Model of Dystonia Musculorum Deformans	1925
PAPAZIAN, D. M., H. RAHAMIMOFF, AND S. M. GOLDIN: Partial Purification and Functional Identification of a Calmodulin-activated, Adenosine 5'-Triphosphate-dependent Calcium Pump from Synaptic Plasma Membranes	1933
BARTLETT, W. P., AND G. A. BANKER: An Electron Microscopic Study of the Development of Axons and Dendrites by Hippocampal Neurons in Culture. I. Cells which Develop without Intercellular Contacts	1944
BARTLETT, W. P., AND G. A. BANKER: An Electron Microscopic Study of the Development of Axons and Dendrites by Hippocampal Neurons in Culture. II. Synaptic Relationships	1954
LASATER, E. M., J. E. DOWLING, AND H. RIPPS: Pharmacological Properties of Isolated Horizontal and Bipolar Cells from the Skate Retina	1966
HARRIS-WARRICK, R. M., AND E. A. KRAVITZ: Cellular Mechanisms for Modulation of Posture by Octopamine and Serotonin in the Lobster	1976
WEISS, S., J. I. GOLDBERG, K. S. CHOAHAN, W. K. STELL, G. I. DRUMMOND, AND K. LUKOWIAK: Evidence for FMRF-amide as a Neurotransmitter in the Gill of <i>Aplysia californica</i>	1994
BISHOP, C. A., J. J. WINE, AND M. O'SHEA: Neuropeptide Proctolin in Postural Motoneurons of the Crayfish	2001
BOWERS, C. W., C. BALDWIN, AND R. E. ZIGMOND: Sympathetic Reinnervation of the Pineal Gland after Postganglionic Nerve Lesion Does Not Restore Normal Pineal Function	2010
POULOS, D. A., J. MEI, K. W. HORCH, R. P. TUCKETT, J. Y. WEI, M. C. CORNWALL, AND P. R. BURGESS: The Neural Signal for the Intensity of a Tactile Stimulus	2016
DRÄGER, U. C., D. L. EDWARDS, AND C. J. BARNSTABLE: Antibodies against Filamentous Components in Discrete Cell Types of the Mouse Retina	2025
LANSER, M. E., AND J. F. FALLON: Development of the Lateral Motor Column in the <i>Limbless</i> Mutant Chick Embryo	2043
DESIMONE, R., T. D. ALBRIGHT, C. G. GROSS, AND C. BRUCE: Stimulus-selective Properties of Inferior Temporal Neurons in the Macaque	2051
FRENCH, A. S.: The Receptor Potential and Adaptation in the Cockroach Tactile Spine	2063
CHURCHILL, L., T. L. PAZDERNIK, J. L. JACKSON, S. R. NELSON, F. E. SAMSON, AND J. H. McDONOUGH, JR.: Topographical Distribution of Decrements and Recovery in Muscarinic Receptors from Rat Brains Repeatedly Exposed to Sublethal Doses of Soman	2069

*Contents continued on next page*

*Cover picture:* A reversed image of Golgi-impregnated pyramidal neurons in Field CA1 of the hippocampus of a macaque monkey.

*Contents continued*

COCHARD, P., AND D. PAULIN: Initial Expression of Neurofilaments and Vimentin in the Central and Peripheral Nervous System of the Mouse Embryo <i>In Vivo</i>	2080
BETZ, H., AND F. PFEIFFER: Monoclonal Antibodies against the $\alpha$ -Bungarotoxin-binding Protein of Chick Optic Lobe	2095
ANNONI, J. -M., S. L. COCHRAN, AND W. PRECHT: Pharmacology of the Vestibular Hair Cell-Afferent Fiber Synapse in the Frog	2106
RUDA, M. A., J. COFFIELD, AND R. DUBNER: Demonstration of Postsynaptic Opioid Modulation of Thalamic Projection Neurons by the Combined Techniques of Retrograde Horseradish Peroxidase and Enkephalin Immunocytochemistry	2117
GREENAMYRE, J. T., A. B. YOUNG, AND J. B. PENNEY: Quantitative Autoradiographic Distribution of L-[ <sup>3</sup> H]Glutamate-binding Sites in Rat Central Nervous System	2133
DAVIS, B. M., AND J. B. CABOT: Substance P-containing Pathways to Avian Sympathetic Preganglionic Neurons: Evidence for Major Spinal-Spinal Circuitry	2145
SMITH, J., AND M. FAUQUET: Glucocorticoids Stimulate Adrenergic Differentiation in Cultures of Migrating and Premigratory Neural Crest	2160
EASTER, S. S. JR., B. BRATTON, AND S. S. SCHERER: Growth-related Order of the Retinal Fiber Layer in Goldfish	2173