

THE JOURNAL OF NEUROSCIENCE

JULY 1982

VOLUME 2 NUMBER 7

THE OFFICIAL JOURNAL OF THE SOCIETY FOR NEUROSCIENCE

CONTENTS

- BEITZ, A. J.: The Sites of Origin of Brain Stem Neurotensin and Serotonin Projections to the Rodent Nucleus Raphe Magnus 829
- GREIF, K. F., AND L. F. REICHARDT: Appearance and Distribution of Neuronal Cell Surface and Synaptic Vesicle Antigens in the Developing Rat Superior Cervical Ganglion 843
- PALACIOS, J. M., M. J. KUCHAR, S. I. RAPOPORT, AND E. D. LONDON: Effects of γ -Aminobutyric Acid Agonist and Antagonist Drugs on Local Cerebral Glucose Utilization 853
- LARSSON, L. -I., AND K. STENGAARD-PEDERSEN: Immunocytochemical and Ultrastructural Differentiation between Met-enkephalin-, Leu-enkephalin-, and Met/Leu-enkephalin-immunoreactive Neurons of Feline Gut 861
- MAXWELL, G. D., P. D. SIETZ, AND C. E. RAFFORD: Synthesis and Accumulation of Putative Neurotransmitters by Cultured Neural Crest Cells 879
- JACKSON, M. B., H. LECAR, D. A. MATHERS, AND J. L. BARKER: Single Channel Currents Activated by γ -Aminobutyric Acid, Muscimol, and (-)-Pentobarbital in Cultured Mouse Spinal Neurons 889
- LIST, S. J., K. A. WREGGETT, AND P. SEEMAN: Striatal Binding of 2-Amino-6,7- 3 H]dihydroxy-1,2,3,4-tetrahydronaphthalene to Two Dopaminergic Sites Distinguished by Their Low and High Affinity for Neuroleptics 895
- CREEL, D., A. E. HENDRICKSON, AND A. G. LEVENTHAL: Retinal Projections in Tyrosinase-negative Albino Cats 907
- PFEIFFER, A., W. SADÉE, AND A. HERZ: Differential Regulation of the μ -, δ -, and κ -Opiate Receptor Subtypes by Guanyl Nucleotides and Metal Ions 912
- SEALOCK, R.: Visualization at the Mouse Neuromuscular Junction of a Submembrane Structure in Common with *Torpedo* Postsynaptic Membranes 918
- HELLER, A. H., E. M. EICHER, M. HALLETT, AND R. L. SIDMAN: Myotonia, a New Inherited Muscle Disease in Mice 924
- ZARBIN, M. A., J. K. WAMSLEY, AND M. J. KUCHAR: Axonal Transport of Muscarinic Cholinergic Receptors in Rat Vagus Nerve: High and Low Affinity Agonist Receptors Move in Opposite Directions and Differ in Nucleotide Sensitivity 934
- SOBKOWICZ, H. M., J. E. ROSE, G. E. SCOTT, AND S. M. SLAPNICK: Ribbon Synapses in the Developing Intact and Cultured Organ of Corti in the Mouse 942
- FAGG, G. E., A. C. FOSTER, E. E. MENA, AND C. W. COTMAN: Chloride and Calcium Ions Reveal a Pharmacologically Distinct Population of L-Glutamate Binding Sites in Synaptic Membranes: Correspondence between Biochemical and Electrophysiological Data 958
- PONG, S. -S., R. DEHAVEN, AND C. C. WANG: A Comparative Study of Avermectin B_{1a} and Other Modulators of the γ -Aminobutyric Acid Receptor-Chloride Ion Channel Complex 966
- WEEKS, J. C.: Segmental Specialization of a Leech Swim-initiating Interneuron, Cell 205 972
- TRAPP, B. D., H. DEF. WEBSTER, D. JOHNSON, R. H. QUARLES, S. R. COHEN, AND M. R. MURRAY: Myelin Formation in Rotation-mediated Aggregating Cell Cultures: Immunocytochemical, Electron Microscopic, and Biochemical Observations 986
- ERICHSEN, J. T., H. J. KARTEN, W. D. ELDRED, AND N. C. BRECHA: Localization of Substance P-like and Enkephalin-like Immunoreactivity within Preganglionic Terminals of the Avian Ciliary Ganglion: Light and Electron Microscopy 994