

CONTENTS VOLUME 51 NO. 1 1971

- 1 E. JOAN BLANCHETTE-MACKIE and ROBERT O. SCOW. Sites of lipoprotein lipase activity in adipose tissue perfused with chylomicrons. Electron microscope cytochemical study
- 26 ALFRED WEINSTOCK and C. P. LEBLOND. Elaboration of the matrix glycoprotein of enamel by the secretory ameloblasts of the rat incisor as revealed by radioautography after galactose-³H injection
- 52 MAURICE WIBO, ALAIN AMAR-COSTESEC, JACQUES BERTHET, and HENRI BEAUFAY. Electron microscope examination of subcellular fractions. III. Quantitative analysis of the microsomal fraction isolated from rat liver
- 72 ERNEST W. APRIL, PHILIP W. BRANDT, and GERALD F. ELLIOTT. The myofilament lattice: studies on isolated fibers. I. The constancy of the unit-cell volume with variation in sarcomere length in a lattice in which the thin-to-thick myofilament ratio is 6:1
- 83 WILLIAM K. OVALLE, JR. Fine structure of rat intrafusal muscle fibers. The polar region
- 104 TATSURO IKEUCHI, MITSUYOSHI SANBE, HERBERT WEINFELD, and AVERY A. SANDBERG. Induction of nuclear envelopes around metaphase chromosomes after fusion with interphase cells.
- 116 ROBERT D. LEIBOWITZ. The effect of ethidium bromide on mitochondrial DNA synthesis and mitochondrial DNA structure in HeLa cells
- 123 CHARLES R. HACKENBROCK, TERRY G. REHN, EUGENE C. WEINBACH, and JOHN J. LEMASTERS. Oxidative phosphorylation and ultrastructural transformation in mitochondria in the intact ascites tumor cell
- 138 HOWARD FEIT, GARY R. DUTTON, SAMUEL H. BARONDES, and MICHAEL L. SHELANSKI. Microtubule protein. Identification in and transport to nerve endings
- 148 TOSHIO NAGANO and IWAO OHTSUKI. Reinvestigation of the fine structure of Reinke's crystal in the human testicular interstitial cell
- 162 JUDY M. STRUM, JANICE WICKEN, JOHN R. STANBURY, and MORRIS J. KARNOVSKY. Appearance and function of endogenous peroxidase in fetal rat thyroid
- 176 H. L. FERNANDEZ, P. R. BURTON, and F. E. SAMSON. Axoplasmic transport in the crayfish nerve cord. The role of fibrillar constituents of neurons
- 193 ANDREW G. ULSAMER, PADDY L. WRIGHT, MARY G. WETZEL, and EDWARD D. KORN. Plasma and phagosome membranes of *Acanthamoeba castellanii*
- 216 FERENC HAJÓS and SÁNDOR KERPEL-FRONIUS. Electron microscope histochemical evidence for a partial or total block of the tricarboxylic acid cycle in the mitochondria of presynaptic axon terminals
- 223 CAMILLO PERACCHIA and J. DAVID ROBERTSON. Increase in osmophilic of axonal membranes of crayfish as a result of electrical stimulation, asphyxia, or treatment with reducing agents
- 240 ALFRED ZWEIDLÉR and LEONARD H. COHEN. Large-scale isolation and fractionation of organs of *Drosophila melanogaster* larvae
- 249 DAVID D. WOOD and DAVID J. L. LUCK. A paracrystalline inclusion in *Neurospora crassa*. Induction by ethidium and acridine, isolation, and characterization
- 265 GARTH L. NICOLSON, V. T. MARCHESSI, and S. J. SINGER. The localization of spectrin on the inner surface of human red blood cell membranes by ferritin-conjugated antibodies
- 273 W. P. CUNNINGHAM, H. H. MOLLENHAUER, and S. E. NYQUIST. Isolation of germ cell Golgi apparatus from seminiferous tubules of rat testes
- 286 ELLEN ROTER DIRKSEN. Centriole morphogenesis in developing ciliated epithelium of the mouse oviduct
- 303 LIANE REIF-LEHRER. Actinomycin-D enhancement of glutamine synthetase activity in chick embryo retinas cultured in the presence of cortisol

BRIEF NOTES

- 313 DAGMAR IVÁNYI. Number and size of nucleoli in binucleate liver cells
- 318 JANE A. WESTFALL, S. YAMATAKA, and PAUL D. ENOS. Ultrastructural evidence of polarized synapses in the nerve net of *Hydra*
- 323 PETER A. SIMPSON and ALLAN D. DINGLE. Variable periodicity in the rhizoplast of *Naegleria flagellates*
- 328 STEPHEN GOBEL. Axo-axonic septate junctions in the basket formations of the cat cerebellar cortex
- 333 JEAN A. SAGE and RALPH A. JERSILD, JR. Comparative distribution of carbohydrates and lipid droplets in the Golgi apparatus of intestinal absorptive cells
- 339 NED FEDER. Microperoxidase. An ultrastructural tracer of low molecular weight
- 344 G. C. SAUNDERS and M. WILDER. Repetitive maturation cycles in a cultured mouse myeloma
- 348 MATTHEW M. LAVAIL and LIANE REIF-LEHRER. Glutamine synthetase in the normal and dystrophic mouse retina