

# MOLECULAR AND CELLULAR BIOLOGY

Volume 2

Contents for May 1982

No. 5

Massive Heat-Shock Polypeptide Synthesis in Late Chicken Embryos: Convenient System for Study of Protein Synthesis in Highly Differentiated Organisms. RICHARD VOELLMY AND PETER A. BROMLEY* .....	479-483
Phosphorylation of the Major Heat Shock Protein of <i>Dictyostelium discoideum</i> . W. F. LOOMIS,* S. WHEELER, AND J. A. SCHMIDT .....	484-489
Endogenous Read-Through of a UGA Termination Codon in a <i>Saccharomyces cerevisiae</i> Cell-Free System: Evidence for Involvement of Both a Mitochondrial and a Nuclear tRNA. MICK F. TUIITE AND CALVIN S. McLAUGHLIN* .....	490-497
Variable Content of Double Minute Chromosomes Is Not Correlated with Degree of Phenotype Instability in Methotrexate-Resistant Human Cell Lines. JEFFREY MASTERS, BENNETA KEELEY, HELEN GAY, AND GIUSEPPE ATTARDI* .....	498-507
Dependence of Nucleus-Directed rRNA Synthesis upon Mitochondrial Protein Synthesis in <i>Tetrahymena</i> . LARRY RUBEN AND ALAN B. HOOPER* .....	508-516
Newly Formed mRNA Lacking Polyadenylic Acid Enters the Cytoplasm and the Polyribosomes but Has a Shorter Half-Life in the Absence of Polyadenylic Acid. M. ZEEVI, J. R. NEVINS, AND J. E. DARNELL, JR.* .....	517-525
Construction of Microcell Hybrid Clones Containing Specific Mouse Chromosomes: Application to Autosomes 8 and 17. R. E. K. FOURNIER* AND J. A. FRELINGER .....	526-534
Chinese Hamster Ovary Cell Mutants Defective in the Internalization of Ricin. BISWAJIT RAY AND HENRY C. WU* .....	535-544
Inhibition of Phorbol Ester-Receptor Binding by a Factor from Human Serum. ANN D. HOROWITZ,* ELLEN GREENEBAUM, MARIA NICOLAIDES, KIMBALL WOODWARD, AND I. BERNARD WEINSTEIN .....	545-553
Evolution of a Multigene Family of Chorion Proteins in Silkmoths. GEORGE C. RODAKIS, NIKOS K. MOSCHONAS, AND FOTIS C. KAFATOS* .....	554-563
Human $\beta$ Interferon Gene Localization and Expression in Somatic Cell Hybrids. P. M. PITHA,* D. L. SLATE, N. BABU K. RAJ, AND F. H. RUDDLE .....	564-570
A Suppressor of Temperature-Sensitive <i>rna</i> Mutations that Affect mRNA Metabolism in <i>Saccharomyces cerevisiae</i> . NANCY J. PEARSON, PATRICIA C. THORBURN, AND JAMES E. HABER* ...	571-577
General Method for Cloning Amplified DNA by Differential Screening with Genomic Probes. OLIVIER BRISON, FEROZA ARDESHIR, AND GEORGE R. STARK* .....	578-587
<i>Saccharomyces cerevisiae</i> Spheroplasts Are Sensitive to the Action of Diphtheria Toxin. SEISHI MURAKAMI, JAMES W. BODLEY, AND DENNIS M. LIVINGSTON* .....	588-592
Comparison of Phenotypic Expression with Genotypic Transformation by Using Cloned, Selectable Markers. PETER S. LINSLEY* AND LOUIS SIMINOVITCH .....	593-597

\* Asterisk refers to person to whom inquiries regarding the paper should be addressed.