CONTENTS FOR MAY

CELLULAR IMMUNOLOGY

Decline in Mixed Lymphocyte Reactivity of Spleen Cells from Aged Mice of a Long-Lived Strain. T.G. Konen, G. S. Smith, and R. L. Walford

A Rabbit Antiserum to a Thymus Extract Specific for Mouse Thymus-Derived Cells. Siddharta Sarkar, Robert Hyman, Tohru Masuda, and Leonard A. Herzenberg

Regulation of the Immune Response with Antigen Specific IgM Antibody: A Dual Role. William M. Wason

Lymphocyte Activation. III. The Prolonged Requirement for Mitogen in Phytohemagglutinin- and Concanavalin A-Stimulated Cultures. G. Jones

Role of the Thymus in Tolerance. X. "Suppressor" Activity of Antigen-Stimulated Rat Thymocytes Transferred to Normal Recipients T.-Y. Ha and B. H. Waksman

Regional Lymph Node Irradiation: Effect on Local and Distant Generation of Antibody-Forming Cells. Irving L. Weissman, Marco Peacock, and James R. Eltringham

Antigen-Induced Depression of DNA Synthesis in Mouse Spleen. Marion M. Zatz and Allan L. Goldstein


Demonstration of Proliferation by Bone Marrow-Derived Lymphocytes of Guinea Pigs, Mice, and Rabbits in Response to Mitogen Stimulation in Vitro. Gerald J. Elfenbein, Michael R. Harrison, and Ira Green

Demonstration of Proliferation by Guinea Pig and Rabbit Bone Marrow-Derived Lymphocytes in Vitro in Response to Stimulation by Anti-IgM Antibody. Gerald J. Elfenbein, Michael R. Harrison and Rose G. Mage

Lymphoid Cell Dependence of Eosinophil Response to Antigen. III. Comparison of the Rate of Appearance of Two Types of Memory Cells in Various Lymphoid Tissues at Different Times after Priming. Nicholas M. Ponzio and Robert S. Speirs

Eosinophils and Immune Mechanisms. I. Eosinophil Stimulation Promoter (ESP): A Lymphokine Induced by Specific Antigen or Phytohemagglutinin. Daniel G. Colley

IMMUNOCHEMISTRY

A Comparison of Three Radioimmunoassay Techniques for the Measurement of Serum IgE. Stephen H. Polmar, Thomas A. Waldmann and William D. Terry

Local Antibody Response to Poliovaccine in the Human Female Genital Tract. Pearay L. Ogra and Swantanta S. Ogra

Physical Association of Two Nuclear Antigens and Mutual Occurrence of Their Antibodies: The Relationship of the SM and RNA-Protein (MO) Systems in SLE Sera. Martha Mattioli and Morris Reichlin

Antibody-Independent Activation of Human C1 after Interaction with Heart Subcellular Membranes. R. Neal Pinckard, Merle S. Olson, Robert E. Kelley, David H. DeHeer, John D. Palmer, Robert A. O'Rourke, and Samuel Goldfein

Studies on Tetanus Antitoxins. II. Demonstration of at Least Four Antitoxins of Different Specificity in Antitoxic Sera. J. Nagel and H. Cohen

Polymerized Ragweed Antigen E. I. Preparation and Immunologic Studies. Roy Patterson, Irena M. Suszek, and Floyd C. McIntire

Polymerized Ragweed Antigen E. II. In Vivo Elimination Studies and Reactivity with IgE Antibody Systems. Roy Patterson, Irena M. Suszek, Jacob J. Przynsky, and C. Raymond Zeiss

IMMUNOGENETICS AND TRANSPLANTATION

Complementary Genes Controlling Immune Response to θ-AKR Antigen in Mice. Marek Zaleski and Felix Milhoram

The Genetics of the Immune Response to a Synthetic Double-Stranded RNA in a Mutant CBA Mouse Strain. Irwin Scher, Molly M. Franz, and Alfred D. Steinberg

Continued
IMMUNOPATHOLOGY


Studies on Brain Antigens. VI. Prevention of Experimental Allergic Encephalomyelitis by a Water-Soluble Spinal Cord Protein, β-SCP. CATHERINE F. C. MACPHERSON AND SUI-LAN YO ................................................ 1371

Antigen-Binding Lymphocytes in Normal Man and Guinea Pig to Human Encephalitogenic Protein. LILY L. YUNG, ERWIN DIENER, T. ALEXANDER MACPHERSON, MOIRA A. BARTON, AND HARRY A. HYDE ................................................. 1383

TUMOR IMMUNOLOGY

Transplantability and Antigenicity of Two Sublines of the TA3 Tumor. BARBARA H. SANFORD, JOHN F. CODINGTON, ROGER W. JEANLOZ, AND PETER D. PALMER ........................................... 1233

VIRAL AND MICROBIAL IMMUNOLOGY

Immunologic Aspects of Hepatitis-Associated Antigen and Antibody in Human Body Fluids. PEARAY L. OGRA .................................................................................. 1197


Host Defenses during Primary Venezuelan Equine Encephalomyelitis Virus Infection in Mice. II. In Vitro Methods for the Measurement and Qualification of the Immune Response. WILLIAM H. ADLER AND STANLEY G. RABINOWITZ ................................................. 1345

Communications

The Antibody-Antigen Reaction: A Visual Observation. IVAR GIAEVER .................................................................................. 1424

Suppression of the Antibody Response to SRBC with F(ab')2 and IgG in Vitro. WILLIAM M. WASON AND FRANK W. FITCH ................................................................. 1427

β2-Microglobulin Production and Secretion by Lymphocytes in Culture. M. D. POULIEK AND A. D. BLOOM ................................................................. 1430

Communications

Site of Deposition of C3 in Arthus Reactions of C4 Deficient Guinea Pigs. MICHAEL M. FRANK, L. ELLMAN, I. GREEN, AND CHARLES G. COCHRANE ................................................. 1447

C3 Split Products Inhibit the Binding of Antigen-Antibody-Complement Complexes to B Lymphocytes. ALINE EDEN, CELSO BIANCO, VICTOR NUSSENZWEB, AND MANFRED M. MAYER .................................................................................. 1452