Contents for November

CELLULAR IMMUNOLOGY

Sequestration of PHA-Responsive Cells (T-Lymphocytes) in the Bone Marrow of Leukemic Children Undergoing Long-Term Immunosuppressive Therapy. LUIS SORELLA AND ALEXANDER A. GREEN .......................................... 927

The Immune Response in Mice to the Haptenic Determinant DNP Coupled to a Thymus-Independent Carrier (Levan). P. DEL GUERCIO AND ELIZABETH LEUCHAS ......................................................... 951


Measurement of Antibody Release from Single Cells. II. RAYMOND N. HIRAMOTO, N. MARLENE HAMLIN AND JERRY R. McGHEE ......................................................... 968

The Immune Capacity of Lymphocytes after Cross-Linking of Surface Immunoglobulin Receptors by Antibody. DAVID H. KATZ AND EMIL R. UNANUE .............. 1022

In Vitro Responses of Rat Lymphocytes following Adult Thymectomy. I. Rapid Decrease and Recovery of Responses to Mitogens and Hemiallogeneic Cells. HUGO FOLCH AND BYRON H. WAKSMAN .............................................. 1046

The Infectiousness of Antigenic Competition: Conferability of Nonreactivity upon Allogeneic T-Cells. JEFFREY S. MENKES, RONALD S. HENCIN AND RICHARD K. GERSHON ......................................................... 1052

Ontogeny of Bursal Function in Chicken. I. Embryonic Stem Cell for Humoral Immunity. PAAVO TOIVANEN, AULI TOIVANEN AND ROBERT A. GOOD .............. 1058

Ontogeny of Bursal Function in Chicken. II. Postembryonic Stem Cell for Humoral Immunity. PAAVO TOIVANEN, AULI TOIVANEN, T. JUHANI LINNA AND ROBERT A. GOOD ......................................................... 1071

IMMUNOCHEMISTRY

The Effect of Enzyme Digestion on the Antigenicity and Biologic Activity of Clq. DONNA WIGER AND JACOB B. NATVIG ......................................................... 933

Anti-Hapten Chicken Antibodies of the 7S Class. EDWARD W. VOSS, JR., AND HERMAN N. EISEN ......................................................... 944

Production of Antibody to Homologous α-Fetoprotein in Rabbits, Rats and Horses by Immunization with Human α-Fetoprotein. SHINZO NISHI, HIROYUKI WATAN AND HIDEMATSU HIROI ......................................................... 957

The Unique Reassociation of Human IgA2 Immunoglobulins from Dimer Subunits. L. M. JERRY AND H. G. KUNKEL ......................................................... 982

Porcine Immunoglobulins. I. Identification of Classes and Preparation of Specific Antisera. H. BENFER KALTREIDER AND JOHN S. JOHNSON ......................................................... 992

Porcine Immunoglobulins. II. Antibody Response of Adult Swine to Bovine γ Globulin. H. BENFER KALTREIDER AND JOHN S. JOHNSON ......................................................... 999

Studies on Brain Antigens. V. Purification and Partial Characterization of an Anti-Encephalitogenic Spinal Cord Protein (SCP). SUI-LAN YO AND CATHERINE F. MacPHERSON ......................................................... 1009

Molecular Restriction of Anti-Hapten Antibody Elicited in Neonatal Rabbits: Antibody Production in Littermates. PAUL C. MONTGOMERY AND ALAN R. WILLIAMSON ......................................................... 1036

Alpha and Gamma Heavy Chain Diseases in Man: Intracellular Origin of the Aberrant Polypeptides. JOEL N. BUJBAUM AND JEAN-Louis FREUD-HOMME ......................................................... 1131

A Predictive Equation for the Primary Immune Response of Mice to Adsorbed Tetanus Toxoid as a Function of Dose of Antigen and Dose of Adjuvant. LEO LEVINE ......................................................... 1138

IMMUNOGENETICS AND TRANSPLANTATION

Rat Allantibody Responses against Strong and Weak Histocompatibility Antigens. CAROL MILLER AND CHARLES DEWITT ......................................................... 919

H-2 Dependence of Co-operation between T and B Cells in Vivo. BERENICE KINDRED AND D. C. SHERFFLER ......................................................... 940

Genetic Regulation of the Thymus Dependent Humoral Immune Response in Leukemia Prone AKR (H-2+) and Nonleukemic C3H (H-2b) Mice. Description of Genetic Control of the Immune Response at the Level of Proliferation. C. F. GOTTLIEB, E. H. PERKINS AND T. MARIONOדAN ......................................................... 974

Studies on Heterologous Antilymphocyte and Antithymocyte Sera. V. Loss or Retention of Immunosuppressive Activity after Absorption with Sheep Erythrocytes. ROF L. F. BARTH AND OM SINGLA ......................................................... 1003

Continued
Contents continued


The Immune Recognition of TA3 Tumors, Its Facilitation by Endotoxin, and Abrogation by Ascites Fluid. Jonathan Grosman and Alois Nowotny ........................................................................................................... 1090

Effect of Anti-Mouse IgG1 on Some Complement-Requiring Allotransfusions of the Mouse. T. N. Harris and Susanna Harris .......................................................................................................................... 1096

IMMUNOPATHOLOGY

Bursectomy and Thymectomy of Obese Strain (OS) Chickens with Spontaneous Autoimmune Thyroiditis and Simultaneous Experimental Allergic Encephalomyelitis. Georg Wick and Renate Steiner ........................................................................................................ 1031

The Role of the Regional Lymph Node in Sensitization and Tolerance to Simple Chemicals. Mitchell H. Friedlaender and Harold Baer ........................................................................................................... 1122

VIRAL AND MICROBIAL IMMUNOLOGY

New Specificities in Australia Antigen Positive Sera Distinct from the Le Bouvier Determinants. Lars O. Magnus and J. Åke Espmark ................................................................................................................ 1017

Macrophage Accumulation, Division, Maturation, and Digestive and Microbicidal Capacities in Tuberculous Lesions. III. The Turnover of Macrophages and Its Relation to Their Activation and Antimicrobial Immunity in Primary BCG Lesions and Those of Reinfection. Arthur M. Dannenberg, Jr., Masayuki Ando and Kiyoshi Shima .............................................................................................. 1109

COMMUNICATIONS

Anti-DNA Plaque-Forming Cells (PFC) and Rosette-Forming Cells (RFC) in Spleens of NZB/WF1 Female (B/W) Mice. C. Clark, D. A. Bell and J. H. Vaughan ........................................................................................................... 1143

Anamnestic Secretory Antibody Response in Respiratory Secretions of Intranasally Immunized Mice. J. L. F. Gerbrandy and E. A. van Dura ........................................................................................................... 1146

The Production of a Monocyte Chemotactic Factor by Agammaglobulinemic Chicken Spleen Cells. Leonard C. Altman and Holger Kirchner ...................................................................................................... 1149

Induction of Temporary IgA Deficiency in Mice Injected with Heterologous Anti-Immunoglobulin Heavy Chain Antibodies. Dean D. Manning ...................................................................................................... 1152

A Plaque Assay on Agar for Detection of Gram-Negative Bacilli Sensitive to Complement. Joshua Fierer, F. Finley and A. I. Braude ........................................................................................................... 1156

Humoral and Cellular Responses to Trypanosoma cruzi Infection. Jorge F. Yanovsky and Emilia Albado .......................................................................................................................... 1159

ERRATA

In “The Effect of Mycobacterial RNA on the Primary Antibody Response of Mice to Bovine γ-Globulin” by Guy P. Youmans and Anne S. Youmans in the August 1972 issue of the Journal of Immunology, Volume 109, Number 2, page 217, the next to the last sentence of the abstract was incorrectly printed. It should read, “The adjuvant activity of mycobacterial RNA was not reduced by treatment with ribonuclease or with trypsin.”

In “IgD Bearing Human Lymphocytes” by John A. van Boxel, William E. Paul, William D. Terry and Ira Green in the September issue of the Journal of Immunology, Volume 109, Number 2, page 650, Figure 1, the photograph B should be rotated through 180°.

In “Opsonic Activity in Human Serum Deficient in C2” in the July 1972 issue of the Journal of Immunology, Volume 109, Number 1, page 141, through an oversight no mention was made that Figure 3 was prepared with the generous help of Dr. Margaret J. Polley of Scripps Clinic and its Department of Experimental Pathology, La Jolla, California.