# THE JOURNAL OF IMMUNOLOGY®

## Contents for April

### IMMUNOCHEMISTRY

- **Assay of IgG and Other Human Plasma Proteins by Quantitative Inhibition of Passive Hemagglutination.** Jacob Nussbacher, Eugene M. Berkman, Kwan Y. Wong, Paul Koch and Richard E. Rosenfield. [893]
- **Neutralization of Haptenated Bacteriophage f2 by Anti-Hapten Antibodies: Direct Evidence for a Critical Site.** Owen N. Witte and Lawrence I. Slobin. [927]
- **The Serum and Secretory Immunoglobulins of Cattle: Characterization and Quantitation.** J. P. Duncan, B. N. Wilkie, F. Hiestand and A. J. Winter. [941]
- **Idiotypic Determinants on the Monoclonal Immunoglobulins Associated with Papular Mucinosis.** J. Vivian Wells, H. Hugh Fudenberg and William L. Epstein. [965]
- **Adjuvant Action of Capsular Polysaccharide of Klebsiella pneumoniae on Antibody Response. I. Intensity of Its Action.** Izumi Nakashima. [977]

### IMMUNOGENETICS AND TRANSPLANTATION

- **A Genetic Polymorphism of Peromyscus 7Sγ Globulins: Detection by Differences in Electrophoretic Mobility.** John E. Coe. [903]
- **Genetic Control of Immune Response in Mice to a Glutamic Acid, Lysine, Phenylalanine Copolymer. III. Use of Recombinant Inbred Strains of Mice to Establish Association of Immune Response Genes with H-2 Genotype.** Carmen F. Merryman, Paul H. Maurer and Donald W. Bailey. [937]
- **Genetic Control by the H-2 Gene Complex of the Allantibody Response to an H-2 Antigen.** J. H. Stimpfling and T. Durham. [947]
- **The Effect of Antiplasma Cell Sera on the Primary Immune Response.** Nick S. Harris, Sreerama M. Jagarlamudi, Charles F. McKhann and John S. Najarian. [958]
- **A Quantitative Method for Determining Human γG Allotype Antigens (Gm). II. Differences in Gm Gene Expression for γG1 and γG3 H Chains in Sera.** S. D. Litwin and S. Balaban. [991]
- **Immunological Enhancement of Skin Grafts in the Mouse.** Johannes J. Jeekel, Ian F. C. McKenzie and Henry J. Winn. [1000]

### CELLULAR IMMUNOLOGY

- **Cellular and Humoral Aspects of the Influence of Environmental Temperature on the Immune Response of Poikilothermic Vertebrates.** Robert E. Cone and John J. Marchalonis. [952]
- **An Adaptation of the Mixed Leukocyte Culture Text for Use in Evaluating Lymphocyte and Macrophage Function.** J. J. Twomey and O. Sharkey. [984]
- **Identification of Basophil Granulocytes as a Site of Allergic Histamine Release.** Teruko Ishizaka, Robert DeBernardo, Hisao Tomioka, Lawrence M. Lichtenstein and Kimishige Ishizaka. [1000]
- **Phylogeny of Immunocompetent Cells. I. In Vitro Blastogenesis and Mitosis of Toad (Bufo marinus) Splenic Lymphocytes in Response to Phytospermagglutinin and in Mixed Lymphocyte Cultures.** Stuart J. Goldshields and Nicholas Cohen. [1025]
- **Serial Passive Transfers of Immune Response by an Immune Ribonucleic Acid Preparation.** Satonori Kurashige and Subumu Mitsuhashi. [1034]
- **The Effect of Plasmacytomas on the Immune Response of Mice.** Susan Zolla. [1039]
- **The Early Stimulation of Protein Synthesis in Sensitized Guinea Pig Lymph Node Cells by Antigen.** Ronald Levy and Steven A. Rosenberg. [1073]
- **A Rapid Assay of Cell Mediated Immunity to Soluble Antigens Based on the Stimulation of Protein Synthesis.** Steven A. Rosenberg and Ronald Levy. [1080]

*Continued*
Contents continued

IMMUNOPATHOLOGY

Immunoglobulin Content and Antibody Activity in Urine in Experimental Urinary Tract Infection. JAMES W. SMITH AND W. LEE HAND ................................................................. 861
Local Synthesis of Secretory IgA in Experimental Pyelonephritis. JAMES W. SMITH, W. LEE HAND AND JAY P. SANFORD ................................................................. 867
In vitro Responses of Peripheral Blood Lymphocytes in Experimental Allergic Encephalomyelitis. IRA FOWLER .................................................................................. 903
Electrophoretic and Antigenic Analysis of Mouse and Guinea Pig Anaphylactic Antibodies. ZOLTAN OVARY AND NOEL L. WARNER ........................................... 1055

MICROBIAL AND VIRAL IMMUNOLOGY

Changes Induced by Lactic Dehydrogenase Virus in Thymus and Thymus-Dependent Areas of Lymphatic Tissue. M. J. SNODGRASS, D. S. LOWREY AND M. G. HANNA, Jr. ............................................................................ 877
A Radioactive Antigen-Binding Assay for Neisseria meningitidis Polysaccharide Antigen. BRENDA L. BRANDT, FREDERIC A. WYLE AND MALCOLM S. ARTENSTEIN ... 913
Treponema pallidum Antibodies in Syphilitic Mice as Determined by Immunofluorescence and Passive Hemagglutination Techniques. YUKIHIRO OHTA ....... 921

COMMUNICATIONS

Synthesis of Nuclear Associated Proteins by Lymphocytes within Minutes after Contact with Phytohemagglutinin. STEVEN A. ROSENBERG AND RONALD LEVY .... 1105
Recombination of Genes Coding for Constant and Variable Regions of Immunoglobulin Heavy Chains. T. J. KINDT AND W. J. MANDY .............................................. 1110
Hepatitis-Associated Australia Antigen, Protein, Peptides and Amino Acid Composition of Purified Antigen with Its Use in Determining Sensitivity of the Hemagglutination test. G. N. VYAS, E. W. WILLIAMS, G. G. B. KLAUS AND H. E. BOND ........................................ 1114
The Production of Anti-Idiotypic Antibodies to BALB/c Plasmacytoma Globulins in BALB/c Mice. VINCENT YAKULIS, NIRMALA BHOPALAM AND PAUL HELLER .... 1119
Detection of Serum-Hepatitis Antigens by Charcoal Particle Agglutination-Inhibition. ROY W. STEVENS, F. D. ZIEGLER AND JAMES H. KELLY .................. 1123
Receptors for Immunoglobulin on B Lymphocytes and Cells of a Cultured Plasma Cell Tumor. MARTIN J. CLINE, JONATHAN SPRENT, NOEL L. WARNER AND ALAN W. HARRIS ............................................. 1126
Allelic and Class Exclusion of Membrane-Associated Immunoglobulins of Human Lymphocytes. STEPHEN D. LITWIN ......................................................... 1129
The Synthesis of Secretory Component by the Human Thymus. THOMAS B. TOMASI, JR., AND ANTHONY M. YURCHAK ..................................................... 1132