VOLUME 117 NUMBER 3

THE JOURNAL OF IMMUNOLOGY®

Contents for September

CELLULAR IMMUNOLOGY

- 741 Cutaneous Basophil Hypersensitivity Uncovered in the Cell Transfer of Classical Tuberculin Hypersensitivity. Philip W. Askenase
- 802 Tolerance and Contact Sensitivity to DNFB in Mice. VI. Inhibition of Afferent Sensitivity by Suppressor T Cells in Adoptive Tolerance. John W. Moorhead
- 818 Studies on Human Brain-Thymus Cross-Reactive Antigens. T. P. Maznina and S. G. Kushner
- 835 Immune Response in the Hamster. VIII. Ig Class Differences in Susceptibility to Tolerance Induction. J. L. Portis and J. E. Coe
- 865 Leukocyte Migration Inhibitory Factor (LMIF) Production in Unidirectional Mixed Lymphocyte Cultures. Andrzej J. Górski, Bo Dupont, John A. Hansen, and Robert A. Good
- 962 Circadian Rhythmic Plaque-Forming Cell Response of Spleens from Mice Immunized with SRBC.
 Gabriel Fernandes, Franz Halberg, Edmond J. Yunis, and Robert A. Good
- 967 Site of Action of a Soluble Immune Response Suppressor (SIRS) Produced by Concanavalin A-Activated Spleen Cells. Takushi Tadakuma and Carl W. Pierce
- The Kinetics of Interferon Production by Mouse Lymphocytes and Its Modulating Effect on the Virus Plaque-Forming Cell Assay as a Quantitative Method to Determine Activated Lymphocytes. Jochen W. Heine and William H. Adler

CLINICAL IMMUNOLOGY

- 717 A Human Cold Agglutinin which Binds Lacto-N-neotetraose. Chao-Ming Tsai, David A. Zopf, Richard Wistar, Jr., and Victor Ginsburg
- 730 The Formation of Stable E-Rosettes by Human T Lymphocytes Activated in Mixed Lymphocyte Reactions. Uri Galili and Michael Schlesinger
- 782 Human Transfer Factor: Effects on Lymphocyte Transformation. Denis R. Burger, Arthur A. Vandenbark, Patricia Finke, James E. Nolte, and R. Mark Vetto
- 789 Human Transfer Factor: Fractionation and Biologic Activity. Denis R. Burger, Arthur A. Vandenbark, Doyle Daves, William A. Anderson, Jr., R. Mark Vetto, and Patricia Finke
- 797 Nicotinamide: Suppression of Lymphocyte Transformation with a Component Identified in Human Transfer Factor. Denis R. Burger, Arthur A. Vandenbark, Doyle Daves, William A. Anderson, Jr., R. Mark Vetto, and Patricia Finke
- 927 Suppression of Reaginic Antibody Formation. IV. Suppression of Reaginic Antibodies to Penicillin in the Mouse. Weng Y. Lee and Alec H. Sehon
- 939 An Appraisal of Fc Receptors on Human Peripheral Blood B and L Lymphocytes. Peter I. Lobo and David A. Horwitz
- 944 Development of Monoclonal IgA and an Apparent IgG in a Patient with Macroglobulinemia: Sharing of Individually Specific Antigenic Determinants Among IgM, IgA, and IgG. Daryl S. Fair, Susan Schaffer, and Robert G. Krueger

IMMUNOCHEMISTRY

- 774 Interaction of C-Reactive Protein with Lymphocytes and Monocytes. Complement-Dependent Adherence and Phagocytosis. Richard F. Mortensen, Alexander P. Osmand, Thomas F. Lint, and Henry Gewurz
- 807 Purification, Specificity, and Hypervariable Region Sequence of Anti-pneumococcal Polysaccharide Antibodies Elicited in a Single Rabbit. Francis W. Chen, L. Edward Cannon, Michael N. Margolies, A. Donny Strosberg, and Edgar Haber
- 830 A New Activity of Complement Component C3: Cell-Bound C3b Potentiates Lysis of Erythrocytes by C5b, 6 and Terminal Components. Carl H. Hammer, Aaron S. Abramovitz, and Manfred M. Mayer
- 841 C4 Synthesis in C4-Deficient Guinea Pig Radiation Chimeras: Restoration of the Classic Complement Pathway. Robert O. Webster, Ulrich H. Rudofsky, and Richard J. Pickering
- 847 Synthetic Glycolipid Adjuvants. Ulrich H. Behling, Barbara Campbell, Chung-Ming Chang, Christopher Rumpf, and Alois Nowotny
- 882 Structure and Function of Immunoglobulin Domains. V. Binding of Immunoglobulin G and Fragments to Placental Membrane Preparations. Trudy McNabb, T. Y. Koh, K. J. Dorrington, and R. H. Painter
- 900 Evidence for the Presence of Components of the Alternative (Properdin) Pathway of Complement Activation in Respiratory Secretions. J. Robertson, J. R. Caldwell, J. R. Castle, and R. H. Waldman
- 986 Studies of Idiotypic Antibodies: Reactions of Isologous and Autologous Anti-idiotypic Antibodies with the Same Antibody Preparations. L. Scott Rodkey
- 990 The Primary Structure of Porcine C3a Anaphylatoxin. Neal C. Corbin and Tony E. Hugli

1028 Intestinal Uptake of Macromolecules. V. Comparison of the in Vitro Uptake by Rat Small Intestine of Antigen-Antibody Complexes Prepared in Antibody or Antigen Excess. W. Allan Walker, Stephen N. Abel, Margaret Wu, and Kurt J. Bloch

IMMUNOGENETICS AND TRANSPLANTATION

- 736 Ability of H-2 Regions to Induce Graft-vs-Host Disease. Jan Klein and ChinLee Chiang
- 754 In Vitro Induction of F₁ Hybrid Anti-parent Cell-Mediated Cytotoxicity. Gene M. Šhearer, Carol A. Garbarino, and Gustavo Cudkowicz
- 765 HLA-Related Control of Spontaneous and Antibody-Dependent Cell-Mediated Cytotoxic Activity in Humans. Daniela Santoli, Giorgio Trinchieri, Chester M. Zmijewski, and Hilary Koprowski
- 771 Influence of H-2 on the Ontogenesis of a Spleen Cell Population which Lacks C3 Receptors and Thy-1 Antigen. Arturo Ferreira and Victor Nussenzweig
- 814 Immune Response of Mice to the Thy-1.1 Antigen: Intra-H-2 Mapping of the Complementary Ir-Thy-1 Loci. Marek B. Zaleski and Jan Klein
- 871 Participation of Cyclophosphamide-Sensitive T Cells in Graft-vs-Host Reactions. Anthony Schwartz, Simone Orbach-Arbouys, and Richard K. Gershon
- 981 Studies on the Specificity of in Vitro Induced Lymphocytotoxicity to SV40-Transformed Fibroblasts.

 H. Warnatz and F. Krapf

IMMUNOPATHOLOGY

- 713 Modulation of Cyclic AMP in Purified Rat Mast Cells. III. Studies on the Effects of Concanavalin A and Anti-IgE on Cyclic AMP Concentrations during Histamine Release. Timothy J. Sullivan, Keith L. Parker, Anthony Kulczycki, Jr., and Charles W. Parker
- 760 Thymic Function in NZB Mice. II. Regulatory Influence of a Circulating Thymic Factor on Antibody Production against Polyvinylpyrrolidone in NZB Mice. Marie-Anne Bach and Patrick Niaudet
- 935 The Complement Profile in Babesiosis. William E. Chapman and Peter A. Ward
- 973 Humoral Immunostimulation. VI. Increased Calcium Uptake by Cells Treated with Antibody and Complement. William T. Shearer, John P. Atkinson, and Charles W. Parker
- 1010 Bence Jones Proteins and Light Chains of Immunoglobulins. XIII. Effects of Elastase-like and Chymotrypsin-like Neutral Proteases Derived from Human Granulocytes on Bence Jones Proteins. Alan Solomon, Wilhelm Schmidt, and Klaus Havemann
- 1015 Colchicine-Sensitive Structures and Lymphocyte Activation. Warner C. Greene, Christine M. Parker, and Charles W. Parker
- 1039 Separation of Slow Reacting Substance of Anaphylaxis (SRS-A) from Human Lung into Four Biologically Active Fractions. Hidenobu Takahashi, Marion E. Webster, and Harold H. Newball
- 1049 Histamine Release from Cultured Human Basophils: Lack of Histamine Resynthesis After Antigenic Release. Jeffrey D. Drobis and Reuben P. Siraganian

TUMOR IMMUNOLOGY

- 822 Antibody-Induced Killing in Vivo of L1210/MTX-R Cells Quantitated in Passively Immunized Mice with

 131I-Iododeoxyuridine-Labeled Cells and Whole Body Measurement of Retained Radioactivity. George
 A. Carlson and Geronimo Terres
- 889 Immunosuppression by Spleen Cells from Moloney Leukemia. II. Studies on the Mechanism of Suppression and Failure to Detect an Extracellular Suppressive Product. Ronald A. Stiller and Jan Cerny
- 904 An in Vitro Immuno-Enzymatic Assay of Tumor Antigens in the Mouse With β-Galactosidase. Franco Celada, Pier Giorgio Natali, and Jasna Radojkovic
- 911 An Indirect Radioimmunoassay for Thymus Leukemia (TL) Antigens. Naomi L. Esmon and J. Russell Little
- 919 Different Mechanisms for the Modulation of TL Antigens on Murine Lymphoid Cells. Naomi L. Esmon and J. Russell Little
- Early Steps in Specific Tumor Cell Lysis by Sensitized Mouse T Lymphocytes. II. Electrolyte Permeability Increase in the Target Cell Membrane Concomitant with Programming for Lysis. Eric Martz
- 1033 Inhibition of Normal Mouse Lymphocyte Mitogen Responses by Xenogeneic or Allogeneic Antibodies to the MuLV Glycoprotein gp71. John C. Lee and James N. Ihle

VIRAL AND MICROBIAL IMMUNOLOGY

- 722 Immunochemical Studies of Infectious Mononucleosis. V. Isolation and Characterization of a Glycoprotein from Goat Erythrocyte Membranes. Mary Ann Fletcher, Timothy M. Lo, and William R. Graves
- 748 The Role of Circulating Interferon in the Modifications of Immune Responsiveness by Mouse Hepatitis Virus (MHV-3). Jean-Louis Virelizier, Anne-Marie Virelizier, and Anthony C. Allison
- 852 Influenza A Virus Interaction with Murine Lymphocytes. I. The Influence of Influenza Virus A/Japan 305 (H2N2) on the Pattern of Migration of Recirculating Lymphocytes. Judith J. Woodruff and Jack F. Woodruff
- 859 Influenza A Virus Interaction with Murine Lymphocytes. II. Changes in Lymphocyte Surface Properties Induced by Influenza Virus A/Japan 305 (H2N2). Judith J. Woodruff and Jack F. Woodruff

THE JOURNAL OF IMMUNOLOGY

Continued from page 3

- 876 Hepatitis A Antigen Isolated from Liver and Stool: Immunologic Comparison of Antisera Prepared in Guinea Pigs. Jules L. Dienstag, Alan N. Schulman, Robert J. Gerety, Jay H. Hoofnagle, Douglas E. Lorenz, Robert H. Purcell, and Lewellys F. Barker
- 950 Herpes Simplex-Raji (A44), A New Cell Line for Serologic Testing by Immunofluorescence. Jean-Marie Seigneurin, Claude Desgranges, Marie-France Lavoue, and Guy de-The
- 953 Replication of Dengue-2 Virus in Cultured Human Lymphoblastoid Cells and Subpopulations of Human Peripheral Leukocytes. Argyrios N. Theofilopoulos, Walter E. Brandt, Philip K. Russell, and Frank J. Dixon
- 996 In Vitro Evaluation of Immunity to Coxiella burnetii. David J. Hinrichs and Thomas R. Jerrells
- 1004 Lymphocytic Choriomeningitis Virus-Induced Immunosuppression: A Virus-Induced Macrophage Defect. Robert P. Jacobs and Gerald A. Cole

COMMUNICATIONS

- 1054 Rapid Detection of Mycoplasma Antibody. Barbara L. Goldschmidt, Joseph P. Menonna, Peter C. Dowling, and Stuart D. Cook
- 1056 Announcements
- 1060 Errata
- 1061 Author Index

THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS

OFFICERS

Manfred M. Mayer, *President* New York, New York

K. Frank Austen, Vice President Boston, Massachusetts

Henry Metzger, Secretary-Treasurer
American Association of Immunologists
9650 Rockville Pike
Bethesda, Maryland 20014

COUNCILLORS

David W. Talmage
Denver, Colorado
Irwin H. Lepow
Farmington, Connecticut
D. Bernard Amos
Durham, North Carolina
Hugh O. McDevitt
Stanford, California
Joseph D. Feldman
La Jolla, California