THE JOURNAL OF IMMUNOLOGY®

Contents for May

CELLULAR IMMUNOLOGY

1549 Systemic Expression of Cutaneous Basophil Hypersensitivity. Harold F. Dvorak, M. Elizabeth Hammond, Robert B. Colvin, Eleanor J. Manseau, and Jane Goodwin

1558 Morphology of Delayed-Type Hypersensitivity Reactions in the Guinea Pig Cornea. Mitchell H. Friedlaender and Harold F. Dvorak

1564 The Cutaneous Basophil Response to Phytohemagglutinin in Chickens. Miguel J. Stadecker, Miodrag Lukic, Ann Dvorak, and Sidney Leskowitz

1595 Splenic Modifications Induced by Cyclophosphamide in C3H/He, Nude, and "B" Mice. Jean-Pierre B. Kolb, Marie-France M. Poupon, Geneviève M. Lespinats, Domagoj Sabolic and Felix Loisillier

1600 Evidence That Con A Induces Cytotoxicity in the Same Subclass of T Cells as Does Alloimmunization. Reuben Maverick Falkoff and Richard W. Dutton

1607 Age-Related Changes in T Cell Function. R. L. Krogsrud and E. H. Perkins


1655 Inability of Choleragenoid-Sensitized Cells to Induce T Cell-Mediated Cytolysis. James Forman and Richard A. Finkelstein

1665 Studies on the Role of the Thymus and T Cells in the in Vivo Suppression of Delayed Hypersensitivity (Desensitization): Radiosensitivity of the Mechanism Inducing Nonspecific Anergy. Kristian Thestrup-Pedersen, John M. Dwyer, and Philip W. Askenase

1672 In Vitro Augmentation of Lymphocyte Sheep Rosette Formation by Leukocyte Dialysates. Robert S. Holzman and H. Sherwood Lawrence

1677 The Role of the Macrophage as the Stimulator Cell in Contact Sensitivity. David W. Thomas, Guido Forni, Ethan M. Shevach, and Ira Green

1690 The in Vitro Effects of Histamine and Metiamide on Neutrophil Motility and Their Relationship to Intracellular Cyclic Nucleotide Levels. Ronald Anderson, Annemarie Glover, and Arthur R. Rabson

1704 Immunosuppressive Activity of Human Seminal Plasma. I. Inhibition of in Vitro Lymphocyte Activation. Edith M. Lord, George F. Sensabaugh, and Daniel P. Stites

1728 Immunologic Reactivity of the Lung. V. Regulatory Effects of Antibody on the Pulmonary Immune Response to Locally Administered Antigens. Cary W. Hunninghake and Anthony S. Fauci

1734 Histamine-Induced Suppressor Factor (HSF): Effect on Migration Inhibitory Factor (MIF) Production and Proliferation. Ross E. Rocklin

1744 Complement-Dependent and -Independent Pathways of T Cell-B Cell Cooperation. George K. Lewis, Raymond Ranken, and Joel W. Goodman

1748 Specific Binding of T Lymphocytes to Macrophages. I. Kinetics of Binding. Mary F. Lipscomb, Sholmo Z. Ben-Sasson, and Jonathan W. Uhr

1755 T Cell-Mediated Cytotoxicity against Trinitrophenyl-Modified Cells: Effect of Glutaraldehyde Treatment on the Immunogenicity and Antigenicity of Trinitrophenyl-Modified Cells. James Forman

1780 Thymic Maturation in Vitro by a Secretory Product from Macrophages. David I. Beller and Emil R. Unanue

1806 The Class of Surface Immunoglobulin on Virgin and Memory B Lymphocytes. Robert L. Coffman and Melvin Cohn

1827 Enhancement of Carrier-Mediated Transport after Immunologic Activation of Peritoneal Macrophages. Peter F. Bonventre, David Strauss, Robert E. Baughn, and John Imhoff

1836 Mechanisms of Humoral Cytotoxicity Testing: The Role of Rabbit Serum, Xenoantibody, and Human IgM. Eugene A. Quinnel, William C. Wood, and Paul L. Kornblith


1880 Immunologic Tolerance to HGG in Mice. I. Suppression of the HGG Response in Normal Mice with Spleen Cells or a Spleen Cell Lysate from Tolerant Mice. Tom B. Jones and Alan M. Kaplan

CLINICAL IMMUNOLOGY

Sequential Proliferation Induced in Human Peripheral Blood Lymphocytes by Mitogen. I. Growth of 1000 Lymphocytes in Feeder Layer Cultures. Larry A. Winger, Peter C. Nowell, and Ronald P. Daniele

Sequential Proliferation Induced in Human Peripheral Blood Lymphocytes by Mitogen. II. Suppression by PHA-Activated Cells. Larry A. Winger, Peter C. Nowell, and Ronald P. Daniele

Variability of the Lytic Susceptibility of Neisseria gonorrhoeae to Human Sera. Edmund C. Tramont, Jerald C. Sadoff, and Clarence Wilson

Regulation of Immunoglobulin Production in Human Peripheral Blood Leukocytes: Cellular Interactions. Andrew Saxon, Ronald H. Stevens, and Robert F. Ashman

IMMUNOCHEMISTRY

Antigen Modulation of Antibody-Forming Cells: The Relationship between Direct Plaque Size, Antibody Secretion Rate, and Antibody Affinity. Alan S. Perelson and Byron Goldstein


Disulfide Bonding of Secretary Component to a Single Monomer Subunit in Human Secretory IgA. Brian J. Underdown, Joseph Derose, and Andrew Plaut

IMMUNOGENETICS AND TRANSPLANTATION

Identification and Genetic Control of the n83 and n84 Allotypes of Rabbit IgM. Alice Gilman-Sachs and Sheldon Drey

Studies of Viral Antibody Responses among Amish Families. Shyuan Hsia, David N. Howell, D. Bernard Amos, and Max A. Woodbury


Specificity of Rat Xenogeneic Cell-Mediated Cytolysis for the Products of the K and D Loci of the Mouse H-2 Complex. Steven J. Burakoff, Martin E. Dorf, and Baruj Benacerraf

Studies on Cellular Inhibition and Serum-Blocking Factors in 28 Human Patients Given Marrow Grafts from HLA Identical Siblings. Mang-So Tsoi, Rainer Storb, Paul L. Weiden, and E. Donnall Thomas

Inherited Polymorphism of Guinea Pig Factor B and C4: Evidence for Genetic Linkage between the C4 and Bf Loci. Dieter Bitter-Suermann, Martin Kronke, Volker Brade, and Ulrich Hadding

Regulatory Mechanisms in Cell-Mediated Immune Responses. II. Comparison of Culture-Induced and Alloantigen-Induced Suppressor Cells in MLR and CML. Lee M. Nadler and Richard J. Hodes

Preferential Assignment of Allotype α1 Globulin for the Production of Early IgM Anti-para-azo-benzenearsonate Antibodies in Heterozygous αααα Rabbits. Chau-Chun Chien and Joseph S. Igraham

IMMUNOPATHOLOGY

Effects of Neonatal Thymectomy and Splenectomy on Survival and Regulation of Autoantibody Formation in NZB/NZW F1 Mice. Jirayr R. Roubian, Ruben Papoian, and Norman Talal

Accumulation of Platelets at Sites of Antigen-Antibody-Mediated Injury: A Possible Role for IgE Antibody and Mast Cells. Thomas C. Kravis and Peter M. Henson

Neutropenia Induced by Systemic Infusion of Chemotactic Factors. Joseph T. O'Flaherty, Henry J. Showell, and Peter A. Ward

Studies on Antigen-Induced Arthritis in Mice. II. Immunologic Correlates of Arthritis Susceptibility in Mice. Dieter Brackertz, Graham F. Mitchell, Mathew A. Vadas, Ian R. Mackay, and Jacques F. A. P. Miller

Studies on Antigen-Induced Arthritis in Mice. III. Cell and Serum Transfer Experiments. Dieter Brackertz, Graham F. Mitchell, Mathew A. Vadas, and Ian R. Mackay


An Evaluation of Elution Techniques in the Study of Immune Complex Glomerulonephritis. Andrew J. Woodroffe and Curtis B. Wilson

Evidence for a B Lymphocyte Defect Underlying the Anti-X Anti-erythrocyte Autoantibody Response of NZB Mice. David H. DeHeer and Thomas S. Edgington

TUMOR IMMUNOLOGY

A Study of the Variable Heavy Chain (VH) Region of Membrane-Bound Ig on Human Chronic Leukemic Lymphocytes. Øystein Forre, Stig S. Frøland, Jacob B. Natvig, Terje E. Michaelsen, Peter M. Johnson, Bernt Ly, and Knut Laake

Continued on page 18
Continued from page 3

1517 Characteristics of the Immature Cells Involved in T Cell-Mediated Enhancement of Syngeneic Tumor Growth. Myra Small

1530 Functional Heterogeneity in Macrophages Activated by Corynebacterium parvum: Characterization of Subpopulations with Different Activities in Promoting Immune Responses and Suppressing Tumor Cell Growth. Kwok-Choy Lee and David Berry


1590 Cross-Reacting Antigens in Chemically Induced Sarcomas Are Fetal Determinants. George A. Parker and Steven A. Rosenberg


1626 Effect of Concanavalin A on the Killing of Tumor Cells by Antibody and Complement. Michael D. P. Boyle, John J. Langone, Sarkis H. Ohanian, and Tibor Borsos

1697 In Vitro Induction of Polyclonal Killer T Cells with 2-Mercaptoethanol and the Essential Role of Macrophages in This Process. Tsuyoshi Igarashi, Masaji Okada, Tadamitsu Kishimoto, and Yuichi Yamamura


VIRAL AND MICROBIAL IMMUNOLOGY

1541 Tumor Growth and Antibodies after RSV-Challenge in Normal Chickens and in Chickens Congenitally Infected with Avian Leukosis Virus. Paul Meyers and Louis F. Qualtiere

COMMUNICATIONS

1903 Molecular Size and Subunit Structure of the Fourth Component of Guinea Pig Complement. Robert E. Hall and Harvey R. Colten

1905 Immune Adjuvancy of Lipopolysaccharide and a Nontoxic Hydrolytic Product Demonstrating Oscillating Effects with Time. Ulrich H. Behling and Alois Nowotny

1907 IgM-Induced Cell-Mediated Cytotoxicity with Antibody and Effector Cells of Human Origin. E. W. Fuson and E. W. Lamon

1910 Induction of Phenotypic Lymphocyte Differentiation in LPS Unresponsive Mice by an LPS-Induced Serum Factor and by Lipid A-Associated Protein. Scott Koenig, Michael K. Hoffmann, and Lewis Thomas

1912 LETTER TO THE EDITOR

1915 ANNOUNCEMENTS

1916 ERRATUM

1917 AUTHOR INDEX