CONTENTS

CELLULAR IMMUNOLOGY

M. Hirashima, J. Yodoi, and K. Ishizaka

H. R. MacDonald, R. K. Lees, B. Sordat, P. Zaech, J. L. Maryanski, and C. Bron

J. L. Maryanski, H. R. MacDonald, B. Sordat, and J.-C. Cerottini


H. S. Lite and H. Braley-Mullen

D. E. Parks, S. M. Walker, and W. O. Weigle

G. Agarossi, C. Mancini, and G. Doria

L. M. Pelus, H. E. Broxmeyer, M. De Sousa, and M. A. S. Moore

K. E. Hopper, C. L. Geczy, and W. A. Davies

C. L. Geczy and K. E. Hopper

R. W. Chesnut and H. M. Grey

J. W. Schrader and I. Clark-Lewis

W. L. Farrar, H. M. Johnson, and J. J. Farrar

L. L. Kondo, W. Rosenau, and D. W. Wara

D. P. King, S. Strober, and H. S. Kaplan

838 Regulatory Role of IgE-Binding Factors from Rat T Lymphocytes. V. Formation of IgE-Potentiating Factor by T Lymphocytes from Rats Treated with Bordetella pertussis Vaccine

865 Age-Associated Increase in Expression of the T Cell Surface Markers Thy-1, Lyt-1, and Lyt-2 in Congenitally Athymic (nu/nu) Mice: Analysis by Flow Microfluorometry

871 Cytolytic T Lymphocyte Precursor Cells in Congenitally Athymic C57BL/6 nu/nu Mice: Quantitation, Enrichment, and Specificity

883 Flow Cytodifferometric Analysis of the Binding of Vicia villosa Lectin to T Lymphoblasts: Lack of Correlation with Cytolytic Function

928 Induction of IgG Memory Responses with Polyvinylpyrrolidone (PVP) is Antigen Dose Dependent

938 Bacterial Lipopolysaccharide (Endotoxin) Interferes with the Induction of Tolerance and Primes Thymus-Derived Lymphocytes

955 Synergism between Two Helper Cell Subpopulations Characterized by Different Radiosensitivity and Nylon Adherence

1016 Heterogeneity among Resident Murine Peritoneal Macrophages: Separation and Functional Characterization of Monocytoid Cells Producing Granulocyte-Macrophage Colony-Stimulating Factor (GM-CSF) and Responding to Regulation by Lactoferrin

1052 A Mechanism of Migration Inhibition in Delayed-Type Hypersensitivity Reactions. I. Fibrin Deposition on the Surface of Elicited Peritoneal Macrophages in Vivo

105' A Mechanism of Migration Inhibition in Delayed-Type Hypersensitivity Reactions. II. Lymphokines Promote Procoagulant Activity of Macrophages in Vitro

1075 Studies on the Capacity of B Cells to Serve as Antigen-Presenting Cells

1101 T Cell Hybridoma-Derived Regulatory Factors. I. Production of T Cell Growth Factor following Stimulation by Concanavalin A

1120 Regulation of the Production of Immune Interferon and Cytotoxic T Lymphocytes by Interleukin 2

1131 Role of Lymphotoxin in Antibody-Dependent Cell-Mediated Cytotoxicity (ADCC)

1140 Suppression of the Mixed Leukocyte Response and of Graft-vs-Host Disease by Spleen Cells following Total Lymphoid Irradiation (TLI)

CLINICAL IMMUNOLOGY

J. L. McKenzie and J. W. Fabre

F. Gervais, A. Wills, M. Leyritz, A. Lebrun, and J. H. Joncas


843 Human Thy-1: Unusual Localization and Possible Functional Significance in Lymphoid Tissues

897 Relative Lack of Epstein Barr Virus (EBV) Receptors on B Cells from Persistently EBV Seronegative Adults

905 A New Microassay for Spermocytotoxic Antibody: Comparison with Passive Hemagglutination Assay for Antisperm Antibodies in Couples with Unexplained Infertility

910 Age-Associated Changes in Epstein-Barr Virus-Induced Human Lymphocyte Autotantibody Responses

Continued on page 4

Published monthly by The Williams & Wilkins Co., 428 E. Preston St., Baltimore, Md. 21202, U.S.A.

Subscription price $115.00 individuals, $135.00 institutions, single issue $12.00

Second class postage paid at Baltimore, Md. 21202 and at additional mailing offices
Continued from page 3

A. D. Hess, P. J. Tutschka, and G. W. Santos

B. E. Chechik, W. P. Schrader, and J. Minowada

M. C. Udey and C. W. Parker


C. J. Thiele, C. D. Morrow, and R. H. Stevens

T. A. Fleisher, W. C. Greene, and T. A. Waldmann

F. C. Greene, T. A. Fleisher, and T. A. Waldmann

T. A. Fleisher, W. C. Greene, R. M. Blaese, and T. A. Waldmann

S. B. Mizel and D. Mizel

C. Mold, C. P. Rodgers, R. L. Richards, C. R. Alving, and H. Gewurz

J. Yodoi, M. Hirashima, and K. Ishizaka

H. Lovenstein and D. G. Marsh

H. Spieker-Polet and H. Polet

S. P. Chang and M. B. Rittenberg

L. K. Curtiss and T. S. Edgington

S. Razuiuddin and D. C. Morrison

B. Banerji and C. R. Alving

J. L. Maillard and C. Favreau

A. J. Tenner and N. R. Cooper

K. Blaser, T. Nakagawa, and A. L. de Weck


C. L. Hutchcraft, H. Gewurz, B. Hansen, R. F. Dyck, and M. B. Pepys

R. Benner, A.-M. Rijnbeek, M. H. Schreier, and A. Coutinho

R. H. Wander and H. R. Hilgard

N. Shinohara and D. H. Sachs

IMMUNOCHEMISTRY

Purification to Apparent Homogeneity of Murine Interleukin 1

Interaction of C-Reactive Protein with Liposomes. III. Membrane Requirements for Binding

Lymphocytes Bearing Fc Receptors for IgE. V. Effect of Tunicamycin on the Formation of IgE-Potentiating Factor and IgE-Suppressive Factor by Con A-Activated Lymphocytes

Antigens of Ambrosia elatior (Short Ragweed) Pollen. I. Crossed Immunoelectrophoretic Analyses

Requirement of a Combination of a Saturated and an Unsaturated Free Fatty Acid and a Fatty Acid Carrier Protein for in Vitro Growth of Lymphocytes

Immunologic Memory to Phosphorylcholine in Vitro. I. Asymmetric Expression of Clonal Dominance

Immunoregulatory Plasma Low Density Lipoprotein: The Biologic Activity and Receptor-Binding Specificity is Independent of Neutral Lipids

Binding of Bacterial Endotoxin (LPS) to Encephalitogenic Myelin Basic Protein and Modulation of Characteristic Biologic Activities of LPS

Anti-Liposome Antibodies Induced by Lipid A. I. Influences of Ceramide, Glycosphingolipids, and Phosphocholine on Complement Damage

Plasminogen Activation by Normal B Lymphocytes, a Function Associated with the Cell Membrane

Identification of Types of Cells in Human Peripheral Blood That Bind C1q

Suppression of Anti-hapten IgE and IgG Antibody Responses by Isologous Anti-idiotypic Antibodies against Purified Anti-carrier (Ovalbumin) Antibodies in BALB/c Mice

Molecular Basis for the Temperature-Dependent Insolubility of Cryoglobulins. X. The Amino Acid Sequence of the Heavy Chain Variable Region of McE

Agglutination of Complement-Coated Erythrocytes by Serum Amyloid P-Component

IMMUNOGENETICS AND TRANSPLANTATION

Frequency Analysis of Immunoglobulin v-Gene Expression and Functional Reactivities in Bone Marrow B Cells

Activation and Suppression of Graft-vs-Host Reactions by Cyclophosphamide

Evidence for Homologues of the Murine I-A and I-E Loci in the Rat MHC

Continued on page 5
Continued from page 4

K. L. Parker, M. C. Carroll, D. C. Schreffler, and J. D. Capra
H. Fujiwara and G. M. Shearer
M. P. Cancro and N. R. Klinman

Identification of H-2-Controlled Structural Variants of the Murine Slp Protein and Demonstration of cis-Regulation of Its Expression

Genetic Control of Cell-Mediated Lympholysis to Trinitrophenyl (TNP)-Modified Murine Syngeneic Cells. I. Expression of Ir Gene Function at the Cytotoxic Precursor and Helper Cell Levels in the Response to TNP-H-2\* Self

Immune Response Gene Control of Determinant Selection. III. Polypeptide Fragments of Insulin Are Differentially Recognized by T but Not by B Cells in Insulin Immune Guinea Pigs

B Cell Repertoire Ontogeny: Heritable but Dissimilar Development of Parental and F, Repertoires

IMMUNOPATHOLOGY

J. L. Van Snick
F. D. Lublin, P. H. Maurer, R. G. Berry, and D. Tippett
J. A. Hamilton and J. Slywka
Y. Weinstein and Z. Berkovich
S. J. Galli, A. M. Dvorak, M. E. Hammond, E. Morgan, A. S. Galli, and H. F. Dvorak
E. M. Levy, J. S. Corvese, and M. Bennett
L. R. DeChatelet and P. S. Shirley
I. Szymanska, A. Ishaque, J. Ramwani, and E. H. Eylar

The Production of Anti-IgG2a Autoantibody in the 129/Sv Mouse: Onset in the Lymph Nodes Draining the Intestinal Tract and Prevention by Neonatal Thymectomy

Delayed, Relapsing Experimental Allergic Encephalomyelitis in Mice

Stimulation of Human Synovial Fibroblast Plasminogen Activator Production by Mononuclear Cell Supernatants

Guinea Pig Basophil Morphology in Vitro. I. Ultrastructure of Uropod-Bearing (Motile) Basophils and Modulation of Motile Structures by Serum and Substrate Effects

A Comparison of the Suppressor Cells Found in the Spleens of \(^{85}\)Sr-Treated Mice and in Normal Murine Bone Marrow

Specificities of NZB Anti-H-2\* CML Reactions: Role of Qa-1 and Retroviral gp70 Antigens

Pyridine Nucleotide-Dependent Generation of Hydrogen Peroxide by a Particulate Fraction from Human Neutrophils

Allergic Neuritis: A Neuritogenic Peptide from the P2 Protein That Induces Disease in Rats

Antibody Precipitation of Lipid Vesicles Containing Myelin Proteins: Dependence on Lipid Composition

TUMOR IMMUNOLOGY

E. A. Clark and J. C. Sturge
D. O. Adams and P. A. Marino
G. J. Bancroft, G. R. Shellam, and J. E. Chalmer
H. S. Koren, M. S. Meltzer, and D. O. Adams
G. C. B. Astaldi, M. C. Janssen, P. M. Landsorp, W. P. Zeijlemaker, and C. Willems
P. A. Weston, P. J. Jensen, N. L. Levy, and H. S. Koren

Tuftsin: A Naturally Occurring Immunopotentiating Factor. I. In Vitro Enhancement of Murine Natural Cell-Mediated Cytotoxicity

Phylogeny of NK Cell Reactivity against Human and Nonhuman Primate Lymphoblastoid Cell Lines: Evolving and Conserved Target Antigens

Evidence for a Multistep Mechanism of Cytolysis by BCG-Activated Macrophages: The Interrelationship between the Capacity for Cytolysis, Target Binding, and Secretion of Cytolytic Factor

Genetic Influences on the Augmentation of Natural Killer (NK) Cells during Murine Cytomegalovirus Infection: Correlation with Patterns of Resistance

The ADCC Capacity of Macrophages from C3H/HeJ and A/J Mice Can be Augmented by BCG

Human Endothelial Culture Supernatant (HECS): Evidence for a Growth-Promoting Factor Binding to Hybridoma and Myeloma Cells

Spontaneous Cytotoxicity against Virus-Infected Cells: Relationship to NK against Uninfected Cell Lines and to ADCC

Continued on page 6
| D. A. Thorley-Lawson | 829 | The Transformation of Adult but Not Newborn Human Lymphocytes by Epstein Barr Virus and Phytohemagglutinin Is Inhibited by Interferon: The Early Suppression by T Cells of Epstein Barr Infection Is Mediated by Interferon |
| D. L. Peavy, C. N. Powers, and V. Knight | 861 | Inhibition of Murine Plaque-Forming Cell Responses in Vivo by Ribavirin |
| E. Gomard, J. Wybier-Franqui, and J. P. Levy | 891 | Accessory Cells in the in Vitro Generation of Type C Viruses Specific T Killer Lymphocytes. I. Role of Macrophages in Primary Anti-FMR Reaction |
| A. K. Abbas, S. L. James, and A. Sher | 1022 | Immunogenicity of Haptenated Schistosomula in Vitro |
| G. Moser and A. Sher | 1025 | Studies of the Antibody-Dependent Killing of Schistosomula of Schistosoma mansoni Employing Haptenic Target Antigens. II. In Vitro Killing of TNP-Schistosomula by Human Eosinophils and Neutrophils |
| M. A. Wells, P. Albrecht, and F. A. Ennis | 1036 | Recovery from a Viral Respiratory Infection. I. Influenza Pneumonia in Normal and T-Deficient Mice |
| M. A. Wells and F. A. Ennis | 1042 | Recovery from a Viral Respiratory Infection. II. Passive Transfer of Immune Spleen Cells to Mice with Influenza Pneumonia |
| L. D. Fast and D. P. Fan | 1114 | An Adherent, Radiosensitive Accessory Cell Necessary for Mouse Cytolytic T Lymphocyte Response to Viral Antigen |
| M. S. Halpern, W. S. Mason, D. L. Ewert, D. T. Deery, and J. M. England | 1198 | Expression of Endogenous Retroviral Envelope Antigen in Ig(+) B Cells of Immunized 151 x 7, Chickens |

Announcements 1225

Author Index 1226