This information is current as of August 31, 2017.
## Contents

### CELLULAR IMMUNOLOGY

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y. Kobayashi, J-I. Sawada, and T. Osawa</td>
<td>791</td>
<td>Activation of Membrane Phospholipase A by Guinea Pig Lymphotoxin (GLT)</td>
</tr>
<tr>
<td>T. Baba, T. Yoshida, T. Yoshida, and S. Cohen</td>
<td>838</td>
<td>Suppression of Cell-Mediated Immune Reactions by Monosaccharides</td>
</tr>
<tr>
<td>C. B. Pettinelli, A-M. Schmitt-Verhulst, and G. M. Shearer</td>
<td>847</td>
<td>Cell Types Required for H-2 Restricted Cytotoxic Responses Generated by Trinitrobenzene Sulfonate-Modified Syngeneic Cells or Trinitrophenyl-Conjugated Proteins</td>
</tr>
<tr>
<td>L. Adorini, A. Miller, and E. E. Sercaz</td>
<td>871</td>
<td>The Fine Specificity of Regulatory T Cells. I. Hen Egg White Lysozyme-Induced Suppressor T Cells in a Genetically Nonresponder Mouse Strain Do Not Recognize a Closely Related Immunogenic Lysozyme</td>
</tr>
<tr>
<td>W. F. Davidson, H. C. Morse Ill, S. O. Sharrow, and T. M. Chused</td>
<td>884</td>
<td>Phenotypic and Functional Effects of the Motheaten Gene on Murine B and T Lymphocytes</td>
</tr>
<tr>
<td>S. A. Rosenberg and P. E. Lipsky</td>
<td>926</td>
<td>Monocyte Dependence of Pokeweed Mitogen-Induced Differentiation of Immunoglobulin-Secreting Cells from Human Peripheral Blood Mononuclear Cells</td>
</tr>
<tr>
<td>J. L. Ryan, L. M. Glode, and D. L. Rosenstreich</td>
<td>932</td>
<td>Lack of Responsiveness of C3H/HeJ Macrophages to Lipopolysaccharide: The Cellular Basis of LPS-Stimulated Metabolism</td>
</tr>
<tr>
<td>Y. Yamamoto and K. Onoue</td>
<td>942</td>
<td>Functional Activation of Immune Lymphocytes by Antigenic Stimulation in Cell-Mediated Immunity. IV. Role of Macrophage and Its Soluble Factor in Antigen-Induced MIF Production of Immune T Lymphocytes</td>
</tr>
<tr>
<td>H. R. MacDonald and J-C. Cerottini</td>
<td>1067</td>
<td>Inhibition of T Cell-Mediated Cytolysis by 2-Deoxy-D-Glucose (2-DG): Differential Effect of 2-DG on Effector Cells Isolated Early or Late after Alloantigenic Stimulation in Vitro</td>
</tr>
<tr>
<td>A. V. Muchmore, J. M. Decker, and R. M. Blaese</td>
<td>1152</td>
<td>Synergistic Cytotoxicity. II. In Vitro Arming of Monocytes and T Cells by a Heat Labile Fraction of Human Plasma</td>
</tr>
</tbody>
</table>

### CLINICAL IMMUNOLOGY

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>S. S. Crago and J. Mestecky</td>
<td>906</td>
<td>Secretory Component: Interactions with Intracellular and Surface Immunoglobulins of Human Lymphoid Cells</td>
</tr>
<tr>
<td>L. Moretta, M. C. Mingari, A. Moretta, and M. D. Cooper</td>
<td>984</td>
<td>Human T Lymphocyte Subpopulations: Studies of the Mechanism by Which T Cells Bearing Fc Receptors for IgG Suppress T-Dependent B Cell Differentiation Induced by Pokeweed Mitogen</td>
</tr>
<tr>
<td>R. E. Birch, M. W. Fanger, and G. M. Bernier</td>
<td>997</td>
<td>$\beta_2$-Microglobulin Enhances Human Lymphocyte Surface Receptor Expression for IgG</td>
</tr>
<tr>
<td>A. I. Agbata and C. H. Kirkpatrick</td>
<td>1080</td>
<td>Release of E-Rosette Augmenting Factor (E-RAF) after Stimulation of Human Leukocytes with Mitogens or Antigens</td>
</tr>
<tr>
<td>J. E. de Vries, A. P. Caviles, Jr., W. S. Bont, and J. Mendelsohn</td>
<td>1099</td>
<td>The Role of Monocytes in Human Lymphocyte Activation by Mitogens</td>
</tr>
<tr>
<td>H. A. Schenkein and R. J. Genco</td>
<td>1126</td>
<td>Inhibition of Lymphocyte Blastogenesis by C3c and C3d</td>
</tr>
</tbody>
</table>
S. K. Law, D. T. Fearon, and R. P. Levine 759 Action of the C3b-Inactivator on Cell-Bound C3b
M. R. Daha and L. A. van Es 801 Activation of the Classical Pathway of Complement by the C3NeF-Stabilized Cell-Bound Amplification Convertase
W. J. Horng, K. L. Knight, and S. Dray 813 Heavy Chain Variable Region Allotypic Subspecificities of Rabbit Immunoglobulins. II. Selective Escape of the a1-AB Ig Subpopulation after the Induction of Auto Anti-a1 Antibody
B. Goldstein, M. Dembo, and F. J. Malveaux 830 Some Quantitative Aspects of the Passive Sensitization of Human Basophils
S. E. Cullen, C. S. Kindle, and D. R. Littman 855 Structural Comparison of Murine IgA Antigens Determined by the I-A and I-E Subregions
M. F. Kagnoff 866 IgA Anti-Dextran B1355 Responses
B. G. Schuster, M. Neidig, B. M. Alving, and C. R. Alving 900 Production of Antibodies against Phosphocholine, Phosphatidylcholine, Sphingomyelin, and Lipid A by Injection of Liposomes Containing Lipid A
D. H. DeHeer and T. S. Edgington 980 Relationship between Antibody Affinity and Hemolytic Plaque Diameter. I. Purified Anti-DNP Antibody
B. Landen and M. P. Dierich 1015 Identity of C3- and C5-Receptors on Lymphoid Cells
S. P. Hauptman, E. Kansu, G. Sobczak, and M. Serno 1035 Human Macromolecular Insoluble Cold Globulin (MICG). II. Immunologic Definition of T Cell and Null Cell MICG and the Biologic Effect of Antiserum to MICG
E. Kansu, G. Sobczak, and S. P. Hauptman 1041 Macromolecular Insoluble Cold Globulin (MICG): A Novel Protein from Mouse Lymphocytes. III. Relationship to the Mixed Lymphocyte Reaction and Effect of Anti-MICG Antiserum in Vivo
M. Stanislawski and M. Mitard 1045 Expression of Immunoglobulin Variable Region Antigens on Mouse B Lymphocytes
A. P. Brown and R. E. Rocklin 1059 Human Leukocyte Inhibitory Factor (LIF): Two Distinct Molecular Species
M. J. Ansfield, H. B. Kaltreider, B. J. Benson, and J. L. Caldwell 1062 Immunosuppressive Activity of Canine Pulmonary Surface Active Material
R. G. Hamilton, A. K. Sobotka, and N. F. Adkinson, Jr. 1073 Solid Phase Radioimmunoassay for Quantitation of Antigen-Specific IgG in Human Sera with 125I-Protein A from Staphylococcus aureus
C. M. Reichert and I. J. Goldstein 1138 The Immunoochemistry of Antibodies Sharing Concanavalin A's Anti-mannosyl Binding Specificity

R. M. Gorczynski and S. MacRae 737 Suppression of Cytotoxic Response to Histoincompatible Cells. I. Evidence for Two Types of T Lymphocyte-DerivedSuppressors Acting at Different Stages in the Induction of a Cytotoxic Response
R. M. Gorczynski and S. MacRae 747 Suppression of Cytotoxic Response to Histoincompatible Cells. II. Analysis of the Role of Two Independent T Suppressor Pools in Maintenance of Neonatally Induced Allograft Tolerance in Mice
D. S. Pisetsky, S. E. Riordan, and D. H. Sachs 842 Genetic Control of the Immune Response to Staphylococcal Nuclease. IX. Recombination between Genes Determining BALB/c Antinuclease Idiotypes and the Heavy Chain Allotype Locus
W. C. DeWolf, P. G. Carroll, and E. J. Yunis 860 The Genetics of PLT Response. I. Methodology for Optimal PLT Discrimination
S. G. Emerson and R. E. Cone 892 Turnover and Shedding of Ia Antigens by Murine Spleen Cells in Culture
S. Kasakura 1054 Idiotypic Analysis of Anti-GAT Antibodies. III. Determinant Specificity and Immunoglobulin Class Distribution of CGAT Idiotype
M. Marusic and E. H. Perkins 1166 Lymphocyte Soluble Factor-Activated Cell-Mediated Cytotoxicity: The Role of Ia-Like Antigens in Activation and Cytolysis, and Their Relationship to Fc Receptor

Continued on page 4
IMMUNOPATHOLOGY

D. C. Morrison and Z. G. Oades 753 Mechanisms of Lipopolysaccharide-Initiated Rabbit Platelet Responses. II. Evidence that Lipid A is Responsible for Binding of Lipopolysaccharide to the Platelet Induction of Suppressor Cells in Rat Spleen: Influence of Microbial Stimulation

J. A. Mattingly, D. D. Eardley, J. D. Kemp, and R. K. Gershon 787

W. Stohl, M. S. Kaplan, and N. K. Gonatas 920 A Quantitative Assay for Experimental Allergic Encephalomyelitis in the Rat Based on Permeability of Spinal Cords to 125I-Human γ-Globulin

M. J. Dauphinee and N. Talal 936 Failure of NZB Spleen to Respond to Prethymic Bone Marrow Suppressor Cells Immunoregulation of Heymann's Nephritis. I. Induction of Suppressor Cells

TUMOR IMMUNOLOGY

J. G. Levy, T. Maier, and D. G. Kilburn 766 Further Characterization of Thymic Suppressor Cells and A Factor That Suppress the Generation of Cells Cytotoxic for a Syngeneic Tumor in DBA/2 Mice

L. Olsson and P. Ebbesen 772 Immunoadjuvant Treatment of Primary Grafted and Spontaneous AKR-Leukemia. I. Treatment Efficiency Correlated to Autoimmune Reactivity

L. Olsson and P. Ebbesen 781 Immunoadjuvant Treatment of Primary Grafted and Spontaneous AKR-Leukemia. II. In Vitro Cytotoxicity of Lymphoid Cells against Normal and Malignant Syngeneic Cells and against Normal Allogeneic Cells

E. V. Genovesi, P. A. Marx, and E. F. Wheelock 795 Susceptibility of Friend Virus Antigen-Modulated Erythroleukemic Cells to Lysis by T Lymphocytes from Mice with Dormant Friend Virus Infections


J. H. Russell, L. C. Ginn, G. Terres, and H. N. Eisen 912 Tumor Antigens as Inappropriately Expressed Normal Alloantigens

E. Celis, A. H. Hale, J. H. Russell, and H. N. Eisen 954 Cyclical Changes in Susceptibility of a Melomma Tumor (LPC-1) to Immune Destruction. I. Changes in Reactivity with Cytotoxic T Lymphocytes and Anti-H-2d Sera

A. H. Hale, E. Celis, J. H. Russell, and H. N. Eisen 959 Cyclical Changes in Susceptibility of a Myeloma Tumor (LPC-1) to Immune Destruction. II. Periodic Fluctuations during Growth in Normal and Nude Mice and in Culture

M. Glaser 973 T-T Cell Synergy in the in Vitro Generation of Secondary Cell-Mediated Cytotoxicity against Syngeneic SV-40 Transformed Cells

L. R. Gooding 1002 Specificities of Killing by T Lymphocytes Generated against Syngeneic SV40 Transformants: Studies Employing Recombinants within the H-2 Complex


N. Chiorazzi, S. M. Fu, G. Montazeri, H. G. Kunkel, K. Rai, and T. Gee 1087 T Cell Helper Defect in Patients with Chronic Lymphocytic Leukemia


J. L. Williams, J. W. Pickering, and M. Wolcott 1121 Selective Cell Surface Expression of Thymus Leukemia Antigen during S Phase of the Cell Cycle

D. A. Fyfe and J. H. Finke 1156 Soluble Helper Factor(s) Participates in the Generation of Cell-Mediated Cytotoxicity Directed against Syngeneic Tumor Cells

K. Shimizu and F-W. Shen 1162 Role of Different T Cell Sets in the Rejection of Syngeneic Chemically Induced Tumors

VIRAL AND MICROBIAL IMMUNOLOGY

S. R. Welthausen and J. M. Mansfield 818 Lymphocyte Function in Experimental African Trypanosomiasis. II. Splenic Suppressor Cell Activity

L. F. Qualtiere and P. Meyers 825 A Reexamination of Humoral Tolerance in Chickens Congenitally Infected with an Avian Leukosis Virus

J. E. Blalock, J. Georgiades, and H. M. Johnson 1018 Immune-Type Interferon-Induced Transfer of Viral Resistance

E. Handman and A. W. Burgess 1134 Stimulation by Granulocyte-Macrophage Colony-Stimulating Factor of Leishmania tropica Killing by Macrophages

Announcements 1172

Author Index 1174