Contents

COMMUNICATION

D. S. Finbloom and H. Metzger 1489 Isolation of Cross-Linked IgE-Receptor Complexes from Rat Macrophages
T. Y. Basham and T. C. Merigan 1492 Recombinant Interferon-γ Increases HLA-DR Synthesis and Expression
J. C. Fantone, W. A. Marasco, L. J. Elgas, and P. A. Ward 1495 Anti-inflammatory Effects of Prostaglandin E₂: In Vivo Modulation of the Formyl Peptide Chemotactic Receptor on the Rat Neutrophil
Z. A. Nagy, C. N. Baxevanis, and J. Klein 1498 Cross-Reactivity of Suppressor T Cells Specific for Lactate Dehydrogenase B and IgG2a Myeloma Protein
G. Lopez-Berestein, K. Mehta, R. Mehta, R. L. Juliano, and E. M. Hersh 1500 The Activation of Human Monocytes by Liposome-Encapsulated Muramyl Dipeptide Analogues
R. H. Swanborg 1503 Autoimmune Effector Cells. V. A Monoclonal Antibody Specific for Rat Helper T Lymphocytes Inhibits Adoptive Transfer of Autoimmune Encephalomyelitis

CELLULAR IMMUNOLOGY

R. B. Levy and G. M. Shearer 1506 Cell-Mediated Lympholytic Responses against Autologous Cells Modified with Haptenic Sulphydryl Reagents. V. H-2L₉ Self Products Are Recognized by Anti-AED-Specific Cytotoxic T Cells
R. F. Siliciano, R. Brookmeyer, and H. S. Shin 1512 The Diversity of T Cell Receptors Specific for Self MHC Gene Products
M.-L. Gougeon and J. Theze 1521 MHC-Linked Ir Gene Control of Total T Cell Responses: GAT-Specific Proliferating T Cells and Helper T Cells Are Elicited in Nonresponder Mice Immunized with Soluble GAT
R. A. Daynes, M. Emam, G. G. Krueger, and L. K. Roberts 1536 Expression of la Antigen on Epidermal Keratinocytes after the Grafting of Normal Skin to Nude Mice
A. Guimezanes and A.-M. Schmitt-Verhulst 1540 Anti-Lyt-1 Monoclonal Antibody Inhibits Induction of Anti-Self-TNP but Not of Alloreactive Cytotoxic T Lymphocytes
A. L. Glasebrook, A. Kelso, and R. R. MacDonald 1545 Cytophilic T Lymphocyte Clones That Proliferate Autonomously to Specific Alloantigenic Stimulation. II. Relationship of the Lyt-2 Molecular Complex to Cytolytic Activity, Proliferation, and Lymphokine Secretion
A. L. Glasebrook and H. R. MacDonald 1552 Monoclonal Anti-Lyt-2-Antibodies Block the Activation of Cytolytic T Lymphocyte Precursors
G. Strassman, F. H. Bach, and J. M. Zarling 1556 Depletion of Human NK Cells with Monoclonal Antibodies Allows the Generation of Cytotoxic T Lymphocytes without NK-Like Cells in Mixed Cultures
U. Hurtenbach and G. M. Shearer 1561 Analysis of Murine T Lymphocyte Markers during the Early Phase of GvH-Associated Suppression of Cytotoxic T Lymphocyte Responses
A. Hassner and A. Saxon 1567 Inhibition of Ongoing Myeloma IgE Synthesis in Vitro by Activated Human T Cells
R. D. Stout and M. Fisher 1580 Suppression of Lymphocyte Proliferative Responses: Demonstration of Two Stages Occurring in the in Vitro Generation of Suppressor Macrophages
L. A. Stingl, D. N. Sauder, M. Iijima, K. Wolff, H. Pehamberger, and G. Stingl 1586 Mechanism of UV-B-Induced Impairment of the Antigen-Presenting Capacity of Murine Epidermal Cells
J. H. Robinson 1592 The Ontogeny of Antigen-Presenting Cells in Fetal Thymus Evaluated by MLR Stimulation
K. Wright and I. A. Ramshaw 1596 A Requirement for Helper T Cells in the Induction of Delayed-Type Hypersensitivity
S. N. Rondinone, O. A. Giovannelli, H. A. Barrios, and N. R. Nota 1600 Effect of Fractional Cyclophosphamide Dosage on Sheep Red Blood Cell-Delayed-Type Hypersensitivity Response in Mice
M. E. Sunday and M. E. Dorf 1604 Anti-receptor Antibody-Induced H-Y-Specific Delayed-Type Hypersensitivity Responses in Nonresponder Mice

Continued on page 4
Continued from page 3

H. Jyonouchi and P. W. Kincaide 1616 Changes in B Lineage Cell Populations in Liver and Spleen of Normal Neonatal Mice
N. Sacchi, G. Fiorini, P. Pleviani, G. Badaracco, D. Breviario, and E. Ginelli 1622 Acquisition of Deoxyguanosine Resistance by TPA-Induced T Lymphoid Lines
E. Rothenberg and D. Triglia 1627 Clonal Proliferation Unlinked to Terminal Deoxynucleotidyl Transferase Synthesis in Thymocytes of Young Mice

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

R. S. Geha 1634 Presence of Circulating Anti-idiotype-Bearing Cells after Booster Immunization with Tetanus Toxoid (TT) and Inhibition of Anti-TT Antibody Synthesis by Auto-Anti-idiotypic Antibody
L. D. Stein, C. J. Ledgley, and N. H. Sigal 1640 Patterns of Isotype Commitment in Human B Cells: Limiting Dilution Analysis of Epstein Barr Virus-Infected Cells
D. H. Boldt and S. A. Dorsey 1646 Interactions of Lectins and Monoclonal Antibodies with Human Mononuclear Cells. I. Specific Inhibition of OKT4 and OKT8 Binding by Ricinus communis Agglutinin and Wheat Germ Agglutinin
M. A. Keller, D. C. Heiner, R. M. Kidd, and A. S. Myers 1654 Local Production of IgG4 in Human Colostrum
P. M. Mathews, C. J. Froelich, W. L. Sibbitt, Jr., and A. D. Bankhurst 1658 Enhancement of Natural Cytotoxicity by β-Endorphin
P. A. Fitzgerald, R. Evans, D. Kirkpatrick, and C. Lopez 1663 Heterogeneity of Human NK Cells: Comparison of Effectors That Lyse HSV-1-Infected Fibroblasts and K562 Erythroleukemia Targets
T. F. Tedder, D. T. Fearon, G. L. Gartland, and M. D. Cooper 1668 Expression of C3b Receptors on Human B Cells and Myelomonocytic Cells but Not Natural Killer Cells
K. B. Pryzwaswksy, E. K. MacRae, and J. D. Lambris 1674 Capping of Complement Receptors on Human Neutrophils Induced by Group A Streptococcal Cell Walls
N. Fujii, T. Minagawa, A. Nakane, F. Kato, and S. Ohno 1683 Spontaneous Production of γ-Interferon in Cultures of T Lymphocytes Obtained from Patients with Behçet's Disease
J. M. Boggs, N. Samji, M. A. Moscarello, G. A. Hashim, and E. D. Day 1687 Immune Lysis of Reconstituted Myelin Basic Protein—Lipid Vesicles and Myelin Vesicles
J. H. Berden, L. Hang, P. J. McComas, and F. J. Dixon 1699 Analysis of Vascular Lesions in Murine SLE. I. Association with Serologic Abnormalities
G. M. Kammer, R. E. Birch, and S. H. Polmar 1706 Impaired Immunoregulation in Systemic Lupus Erythematosus: Defective Adenosine-Induced Suppressor T Lymphocyte Generation
W. E. Seaman, D. Wofsy, J. S. Greenspan, and J. A. Ledbetter 1713 Treatment of Autoimmune MRL-lpr Mice with Monoclonal Antibody to Thy-1.2: A Single Injection Has Sustained Effects on Lymphoproliferation and Renal Disease
U. Kiesel, F. W. Falkenberg, and H. Kolb 1719 Genetic Control of Low-Dose Streptozotocin-Induced Autoimmune Diabetes in Mice
M. E. Elder and N. K. Maclaren 1723 Identification of Profound Peripheral T Lymphocyte Immunodeficiencies in the Spontaneously Diabetic BB Rat
R. D. Gutman, E. Colle, F. Michel, and T. Seemayer 1732 Spontaneous Diabetes Mellitus Syndrome in the Rat. II. T Lymphopenia and Its Association with Clinical Disease and Pancreatic Lymphocytic Infiltration
V. G. Cabana, H. Gewurz, and J. N. Siegel 1736 Inflammation-Induced Changes in Rabbit CRP and Plasma Lipoproteins

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

A. Rao, S. B. Mizel, and H. Cantor 1743 Disparate Functional Properties of Two Interleukin 1-Responsive Ly-1"2— T Cell Clones: Distinction of T Cell Growth Factor and T Cell-Replacing Factor Activities
R. A. Miller and O. Stutman 1749 Limiting Dilution Analysis of T Helper Cell Heterogeneity: A Single Class of T Cell Makes Both IL 2 and IL 3
J. S. Rosenberg, S. C. Gilman, and J. D. Feldman 1754 Effects of Aging on Cell Cooperation and Lymphocyte Responsiveness to Cytokines

Continued on page 5
Analysis of Cellular Events Involved in T Cell Stimulation by Concanavalin A As a Function of Cell Concentration

Phorbol Myristate Acetate and In Vitro T Lymphocyte Function. I. PMA May Contaminate Lymphokine Preparations and Can Interfere with Interleukin Bioassays

Lymphokine Regulation of Activated (G,δ) Lymphocytes. I. Prostaglandin E2-Induced Inhibition of Interleukin 2 Production

Endotoxin-Induced T Lymphocyte Proliferation

Secretion of Immune Interferon and Generation of Cytotoxic T Cell Activity in Nude Mice Are Dependent on Interleukin 2: Age-Associated Endogenous Production of Interleukin 2 in Nude Mice

Interleukin 2-Mediated Immune Interferon (IFN-γ) Production by Human T Cells and T Cells Subsets

Mechanisms of Suppression of Mouse Mesangial Cell Proliferation by Macrophage Supernatants

A Thymocyte-Activating Factor Derived from Glomerular Mesangial Cells

Modulation of the Biologic Activities of IgE-Binding Factor. II. Physicochemical Properties and Cell Sources of Glycosylation-Enhancing Factor

Affinity Requirements for Antibody Assays Mapped by Monoclonal Antibodies

Cross-Reactive Idiotypic Determinants on Antibodies and Antigen-Specific Helper T Cell Continuous Lines

Idiotypes on B Lymphocytes: Association with Immunoglobulins

Clearance Kinetics and Fate of Mouse IgA Immune Complexes Prepared with Monomeric or Dimeric IgA

Preliminary Structural Characterization of the Leukocyte Cell Surface Molecule Recognized by Monoclonal Antibody TA-1

Alterations in Expression and Glycosylation Pattern of the Thy-1 Glycoprotein during Maturation and Transformation of Mouse T Lymphocytes

Expression of a Bone Marrow-Associated Ly-6 Determinant on the T Cell Population Expanding in the Lymph Nodes of the Autoimmune Mouse Strain MRL/Mp/Mp

Biosynthesis of Glycosaminoglycans by Epithelial and Lymphocytic Components of Murine Thymus

Comparative Structural Analysis of HLA-A2 Antigens Distinguishable by Cytotoxic T Lymphocytes. II. Variant DK1: Evidence for a Discrete CTL Recognition Region SFR3-DR5, a Monoclonal Antibody with HLA-DR5 Specificity

Salmonellae Activate Complement Differentially via the Alternative Pathway Depending on the Structure of Their Lipopolysaccharide O-Antigen

C1Q Receptors on Cultured Human Gingival Fibroblasts: Analysis of Binding Properties

Functional Properties of Membrane-Associated Complement Receptor CR1

The Biologic Activity of Mast Cell Granules. IV. The Effect of Complement Depletion on Rat Cutaneous Late Phase Reactions

Immunologic and Ionophore-Induced Generation of Leukotriene B4 from Mouse Bone Marrow-Derived Mast Cells

Generation of C3a Anaphylatoxin from Human C3 by Human Mast Cell Tryptase

Continued on page 6
Continued from page 5

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Year</th>
<th>Article Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. E. Seligmann, M. P. Fletcher, and J. I. Gallin</td>
<td>1902</td>
<td>Histamine Modulation of Human Neutrophil Oxidative Metabolism, Locomotion, Degranulation, and Membrane Potential Changes</td>
</tr>
<tr>
<td>H. E. Jasin</td>
<td>1918</td>
<td>Generation of IgG Aggregates by the Myeloperoxidase-Hydrogen Peroxide System</td>
</tr>
<tr>
<td>S. R. Paterno, M. Costa, V. M. Lewis, and D. L. Peavy</td>
<td>1924</td>
<td>Inhibition of LPS Toxicity for Macrophages by Metallothionein-Inducing Agents</td>
</tr>
<tr>
<td>F. Hirata and M. Iwata</td>
<td>1930</td>
<td>Role of Lipomodulin, a Phospholipase Inhibitory Protein, in Immunoregulation by Thymocytes</td>
</tr>
<tr>
<td>M. Dy, E. Schneider, P. Mavier, P. Kamoun, B. Lebel, and J. Hamburger</td>
<td>1937</td>
<td>Evidence for a Lymphokine-Enhancing Arginase Activity during Allograft Rejection</td>
</tr>
</tbody>
</table>

**MICROBIAL IMMUNOLOGY**

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Year</th>
<th>Article Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>R. C. Kennedy, K. Adler-Storthz, R. D. Henkel, and G. R. Dreesman</td>
<td>1943</td>
<td>Characteristics of a Shared Idiotype by Two IgM Anti-Herpes Simplex Virus Monoclonal Antibodies That Recognize Different Determinants</td>
</tr>
<tr>
<td>T. M. Trischmann</td>
<td>1953</td>
<td>Non-antibody-Mediated Control of Parasitemia in Acute Experimental Chagas' Disease</td>
</tr>
</tbody>
</table>

**MOLECULAR GENETICS**

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Year</th>
<th>Article Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>S. M. Hedrick and R. H. Schwartz</td>
<td>1958</td>
<td>The T Cell Response to Allelic Determinants on Igh-1-Encoded IgG2a Antibodies: Dual Recognition Examined by Using Antigenic Antibodies with Binding Affinity for Ia Molecules</td>
</tr>
<tr>
<td>V. T. Oi, L. A. Herzenberg, and B. K. Birshtein</td>
<td>1967</td>
<td>Localization of Murine Igh-1a Allotypic Determinants by Using a Panel of Mouse Myeloma Variant Immunoglobulins</td>
</tr>
</tbody>
</table>

**TUMOR IMMUNOLOGY**

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Year</th>
<th>Article Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>W. Domzig, B. M. Stadler, and R. B. Herberman</td>
<td>1970</td>
<td>Interleukin 2 Dependence of Human Natural Killer (NK) Cell Activity</td>
</tr>
<tr>
<td>S. G. Kaminsky, I. Nakamura, and G. Cudkowicz</td>
<td>1980</td>
<td>Selective Defect of Natural Killer Cell Activity against Lymphomas in SJL Mice: Low Responsiveness to Interferon Inducers</td>
</tr>
<tr>
<td>G. Klein, B. Ehlid-Henriksson, and S. F. Schlossman</td>
<td>1985</td>
<td>Induction of An Activated B Lymphocyte-Associated Surface Moiety Defined by the B2 Monoclonal Antibody by EBV Conversion of an EBV-Negative Lymphoma Line (Ramos): Differential Effect of Transforming (B95-8) and Nontransforming (P3HR-1) EBV Substrains</td>
</tr>
</tbody>
</table>

**LETTER TO THE EDITOR**

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Year</th>
<th>Article Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>C. R. Steinman, C. Morimoto, H. Sano, and A. D. Steinberg</td>
<td>1990</td>
<td>Letter to the Editor and Response</td>
</tr>
</tbody>
</table>

Announcements | 1992 |
Erratum | 1994 |
Author Index | 1995 |