Contents

COMMUNICATION

L. L. Lanier, S. Cwirla, and J. H. Phillips 3375 Genomic Organization of T Cell γ Genes in Human Peripheral Blood Natural Killer Cells

CELLULAR IMMUNOLOGY

L. Shen, P. M. Guyre, C. L. Anderson, and M. W. Fanger 3378 Heteroantibody-Mediated Cytotoxicity: Antibody to the High Affinity Fc Receptor for IgG Mediates Cytotoxicity by Human Monocytes that Is Enhanced by Interferon-γ and Is Not Blocked by Human IgG
S. A. N. Goldstein and M. F. Mescher 3383 Cell-Sized, Supported Artificial Membranes (Pseudocytes): Response of Precursor Cytotoxic T Lymphocytes to Class I MHC Proteins
K.-H. Kim, R. A. Shivdasani, and D. W. Thomas 3393 Two Roles for la in Antigen-Specific T Lymphocyte Activation
D. W. Thomas and M. J. Solvay 3401 T Lymphocyte Recognition of Insolubilized Peptide Antigen
D. H. Sherr and S.-T. Ju 3406 Idiotype-Specific Helper Cells (Bh) Express Immunoglobulin Markers and Employ T Cell Function-Associated Molecules
N. L. Gutstein and D. Wofsy 3414 Administration of F(ab′)2 Fragments of Monoclonal Antibody to L3T4 Inhibits Humoral Immunity in Mice without Depleting L3T4 Cells
A. Peres, F. P. Nestel, T. A. Seemayer, and W. S. Lapp 3420 The Effects of Polyinosinic:Polycytidylic Acid (pI:C) on the Graft-vs-Host (GVH) Reaction. II. Increased NK-Mediated Rejection of C57BL/6 Lymphocytes by [C57BL/6 × A]F1 Mice

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

R. M. McCarron, M. Spatz, O. Kempski, R. N. Hogan, L. Muehl, and D. E. McFarlin 3428 Interaction Between Myelin Basic Protein-Sensitized T Lymphocytes and Murine Cerebral Vascular Endothelial Cells
J. Antel, M. Bania, A. Noronha, and S. Neely 3436 Defective Suppressor Cell Function Mediated by T8+ Cell Lines from Patients with Progressive Multiple Sclerosis
M. Ohta, K. Ohta, F. Mori, E. Nishiguchi, H. Nishitani, and T. Saida 3440 Sera from Patients with Multiple Sclerosis React with Human T Cell Lymphotropic Virus-I GAG Proteins But Not ENV Proteins—Western Blotting Analysis
E. A. Goldmuntz, C. F. Brosnan, and W. T. Norton 3444 Prazosin Treatment Suppresses Increased Vascular Permeability in Both Acute and Passively Transferred Experimental Autoimmune Encephalomyelitis in the Lewis Rat
C. F. Brosnan, H. J. Sacks, R. C. Goldschmidt, E. A. Goldmuntz, and W. T. Norton 3451 Prazosin Treatment During the Effector Stage of Disease Suppresses Experimental Autoimmune Encephalomyelitis in the Lewis Rat
K. Dorshkind, K. A. Denis, and O. N. Witte 3457 Lymphoid Bone Marrow Cultures Can Reconstitute Heterogeneous B and T Cell-Dependent Responses in Severe Combined Immunodeficient Mice
D. MacNeil, G. Krystal, M. Fairhurst, and J. D. Waterfield 3464 Correction of Defective IL 3 Responses of T Lymphocytes from Autoimmune Mice

Continued on page 4
Continued from page 3

R. D. R. Camp, N. J. Fincham, P. M. Cunningham, M. W. Greaves, J. Morris, and A. Chu

J. Müller-Quernheim, C. Saltini, P. Sondermeyer, and R. G. Crystal

M. H. Nahm, R. M. Blaese, M. J. Crain, and D. E. Briles

Psoriatic Skin Lesions Contain Biologically Active Amounts of an Interleukin 1-Like Compound

Patients with Wiskott-Aldrich Syndrome have Normal IgG2 Levels

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

L. M. Green, J. L. Reade, C. F. Ware, P. E. Devlin, C.-M. Liang, and J. J. Devlin


A. Dupuy d’Angeac, M. Monis, and T. René

S. H. Pincus, E. A. Whitcomb, and C. A. Dinarello

Y.-P. Huang, P. A. Miescher, and R. H. Zuber

K. Frei, S. Bodmer, C. Schwerdel, and A. Fontana


J. J. Mond, J. Carman, C. Sarma, J. Ohara, and F. D. Finkelman

J. H. Holda, T. Maier, and H. N. Claman

N. Takahashi, G. R. Mundy, and G. D. Roodman

J. K. Steele, A. T. Stammers, A. Chan, and J. G. Levy

Cytotoxic Lymphokines Produced by Cloned Human Cytotoxic T Lymphocytes. II. A Novel CTL-Produced Cytotoxin that Is Antigenically Distinct from Tumor Necrosis Factor and α-Lymphotoxin

Requirement for Three Distinct Lymphocytes for the Induction of Cytotoxic T Lymphocytes from Thymocytes

Mitogenic Effect of PMA + IL 2 on Subpopulations of Corticoresistant Thymocytes

Interaction of IL 1 and TPA in Modulation of Eosinophil Function

The Interleukin 2 Secretion Defect in Vitro in Systemic Lupus Erythematosus Is Reversible in Rested Cultured T Cells

Astrocyte-Derived Interleukin 3 as a Growth Factor for Microglia Cells and Peritoneal Macrophages

Pertussigen in Vivo Enhances Antigen-Specific Production in Vitro of Lymphokine that Stimulates Macrophage Procoagulant Activity and Plasminogen Activator

Interferon-γ Suppresses B Cell Stimulation Factor (BSF-1) Induction of Class II MHC Determinants on B Cells

Natural Suppressor Activity in Graft-vs-Host Spleen and Normal Bone Marrow Is Augmented by IL 2 and Interferon-γ

Recombiant Human Interferon-γ Inhibits Formation of Human Osteoclast-Like Cells

Characterization of an Anti-Idiotypic T Cell Hybridoma Involved in the Regulation of the Immune Response to the P815 Mastocytoma

IMMUNOCHEMISTRY

M. A. Vega, R. Bragado, P. Iványi, J. L. Peláez, and J. A. López de Castro

J. S. van der Zee, P. van Swieten, and R. C. Aalberse

D. A. Blomster-Hautamaa, R. P. Novick, and P. M. Schlievert


Molecular Analysis of a Functional Subtype of HLA-B27: A Possible Evolutionary Pathway for HLA-B27 Polymorphism

Serologic Aspects of IgG4 Antibodies. II. IgG4 Antibodies Form Small, Nonprecipitating Immune Complexes Due to Functional Monovalency

Localization of Biological Functions of Toxic Shock Syndrome Toxin-1 by Use of Monoclonal Antibodies and Cyanogen Bromide-Generated Toxin Fragments

Expression of Specific Binding Sites on Candida with Functional and Antigenic Characteristics of Human Complement Receptors

IMMUNOPHARMACOLOGY

R. H. Weisbart, D. W. Golde, and J. C. Gasson

G. Marone, S. Poto, D. Celestino, and S. Bonini

Biosynthetic Human GM-CSF Modulates the Number and Affinity of Neutrophil f-Met-Leu-Phe Receptors

Human Basophil Releasability. III. Genetic Control of Human Basophil Releasability

Continued on page 5
### MICROBIAL IMMUNOLOGY

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3593</td>
<td>Immunocochemical Characterization of Purification of Sm-97, a <em>Schistosoma mansoni</em> Antigen Monospecificity Recognized by Antibodies from Mice Protectively Immunized with a Nonliving Vaccine</td>
</tr>
<tr>
<td>3601</td>
<td>A Major Role for Carbohydrate Epitopes Preferentially Recognized by Chronically Infected Mice in the Determination of <em>Schistosoma mansoni</em> Schistosomulum Surface Antigenicity</td>
</tr>
<tr>
<td>3608</td>
<td>Passive Transfer of <em>Leishmania</em> Lipopolysaccharide Confers Parasite Survival in Macrophages</td>
</tr>
<tr>
<td>3614</td>
<td>Analysis of the Fine Specificity and Cross-reactivity of Monoclonal Anti-Lipid A Antibodies</td>
</tr>
<tr>
<td>3620</td>
<td>Effect of Cyclosporine A In Erythema Nodosum Leprosum</td>
</tr>
<tr>
<td>3624</td>
<td>Natural Cellular Resistance of Beige Mice Against <em>Cryptococcus neoformans</em></td>
</tr>
<tr>
<td>3632</td>
<td>Immunosuppression in Viral Oncogenesis. III. Effects of Virus Infection on Interleukin 1 and Interleukin 2 Generation and Responsiveness</td>
</tr>
<tr>
<td>3639</td>
<td>Features of Target Cell Lysis by Class I and Class II MHC-Restricted Cytolytic T Lymphocytes</td>
</tr>
</tbody>
</table>

### MOLECULAR BIOLOGY • MOLECULAR GENETICS

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3644</td>
<td>Two Interleukin 1 Genes in the Mouse: Cloning and Expression of the cDNA for Murine Interleukin 1β</td>
</tr>
<tr>
<td>3649</td>
<td>Induction of c-fos and c-myc Expression in T Lymphocytes After Treatment with Recombinant Interleukin 1-α</td>
</tr>
<tr>
<td>3652</td>
<td>Distinct Signals Are Required for Proliferation and Lymphokine Gene Expression in Murine T Cell Clones</td>
</tr>
<tr>
<td>3664</td>
<td>BSF 1 Induces Membrane Protein Phosphorylation But Not Phosphoinositide Metabolism, Ca²⁺ Mobilization, Protein Kinase C Translocation, or Membrane Depolarization in Resting Murine B Lymphocytes</td>
</tr>
<tr>
<td>3671</td>
<td>The Primary Structure of HLA-A32 Suggests a Region Involved in Formation of the Bw4/Bw6 Epitopes</td>
</tr>
</tbody>
</table>

### TUMOR IMMUNOLOGY

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3675</td>
<td>Eradication of Disseminated Murine Leukemia by Treatment with High-Dose Interleukin 2</td>
</tr>
<tr>
<td>3681</td>
<td>Specific Lymphocyte-Target Cell Conjugate Formation Between Tumor-Specific Helper T Cell Hybridomas and IA-Bearing RCS Tumors and IE-Bearing Allogeneic Cells. I. Role of Ia and Both L3T4 and LFA-1 Antigens in Recognition/Binding</td>
</tr>
<tr>
<td>3689</td>
<td>Antibody-Induced Antigenic Modulation is Antigen Dependent: Characterization of 22 Proteins on a Malignant Human B Cell Line</td>
</tr>
</tbody>
</table>

Author Index: 3696

**Announcements**

---

*Continued from page 4*