Contents

CELLULAR IMMUNOLOGY

K. C. Stallcup, Y.-N. Liu, M. E. Dorf, and M. F. Mescher
H. Yakura, I. Kawabata, F.-W. Shen, and M. Katagiri
D. M. Prowedini, C. D. Tsoukas, L. J. Deftos, and S. C. Manolagas
E. C. Lattime and O. Stutman
P. S. Rabonovitch, R. M. Torres, and D. Engel
J. L. Nixon-Fulton, P. R. Bergstresser, and R. E. Tigelaaer
C. S. Foster, J. G. Monroe, R. Campbell, J. Kalpaxis, R. Wetzig, and M. I. Greene
J. W. Mannhalter, W. Borth, and M. M. Eibl
B. Ristolad, R. B. Herberman, and C. W. Reynolds
G. Lalonde, L. J. Gershwin, P. F. Moore, and D. Bernoco
S. H. Herrmann and M. F. Mescher
J. C. C. Chang and J. W. Moorhead

2723 Inhibition of Lymphoid Cell Growth by a Lipid-Like Component of Macrophage Hybridoma Cells
2729 Selective Inhibition of Lipopolysaccharide-Induced Polyclonal IgG Response by Monoclonal Ly-5 Antibody
2734 1α,25-Dihydroxyvitamin D3-Binding Macromolecules in Human B Lymphocytes: Effects on Immunoglobulin Production
2741 L3T4+, B2A2+ Thymocytes from Infant Mice Produce IL-2 after Interaction with Accessory Cells Expressing Self Class II Antigens
2747 Selective Immunomodulation by the Antineoplastic Agent Mitoxantrone. II. Nonspecific Adherent Suppressor Cells Derived from Mitoxantrone-Treated Mice
2755 Monoclonal Antibodies to Interferon-γ Inhibit Interleukin 2-Dependent Induction of Growth and Maturation in Lectin/Interleukin-Reactive Cytolytic T Lymphocyte Precursors
2763 Studies on the Induction of Tolerance to Alloantigens. II. The Generation of Serum Factor(s) Able to Transfer Alloantigen-Specific Tolerance for Delayed-Type Hypersensitivity by Portal Venous Inoculation with Allogeneic Cells
2769 Simultaneous Cell Cycle Analysis and Two-Color Surface Immunofluorescence using 7-Amino-Actinomycin D and Single Laser Excitation: Applications to Study of Cell Activation and the Cell Cycle of Murine Ly-1 B Cells
2776 Thy-1+ Epidermal Cells Proliferate in Response to Concanavalin A and Interleukin 2
2787 Ocular Immune Responses. II. Priming of A/J Mice in the Vitreous Induces either Enhancement of or Suppression of Subsequent Hapten-Specific DTH Responses
2792 Modulation of Antigen-Induced T Cell Proliferation by αM-M-Tryptsin Complexes
2800 Natural Killer Cell Activity in the Rat. V. The Circulation Patterns and Tissue Localization of Peripheral Blood Large Granular Lymphocytes (LGL)
2809 Cytotoxic Murine Monoclonal Antibody Recognizing an Ovine Lymphocyte Subpopulation Similar to the Human OKT4-Positive Set
2816 The Requirements for Antigen Multivalency in Class II Antigen Recognition and Triggering of Primed Precursor Cytolytic T Lymphocytes
2826 Hapten-Specific, Class II-Restricted Killing by Cloned T Cells: Direct Lysis and Production of a Cytotoxic Factor
2832 La-Specific Mixed Leukocyte Reactive T Cell Hybridomas: Analysis of Their Specificity by using Purified Class II MHC Molecules in a Synthetic Membrane System

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

M. M. Chien, W. M. Yokoyama, and R. F. Ashman
D. Y. M. Leung, M. C. Young, and R. S. Geha

2839 Inhibition of DNA Repair by Deoxyadenosine in Resting Human Lymphocytes
2844 Mitogen-Stimulated Phospholipid Synthesis in Normal and Immune-Deficient Human B Cells
2851 Induction of IgG and IgE Synthesis in Normal B Cells by Autoreactive T Cell Clones

THE JOURNAL OF IMMUNOLOGY (ISSN 0022-1767) is published twice each month by The American Association of Immunologists, 428 East Preston Street, Baltimore, MD 21202. Subscription rates $150 ($205 foreign); institutions $170 ($225 foreign); students $41 ($96 foreign); single copy $8 (81 foreign), Indexed by Current Contents and Index Medicus. Second class postage paid at Baltimore, MD 21202 and at additional mailing offices. POSTMASTER: Send address changes to The Journal of Immunology at 428 East Preston Street, Baltimore, MD 21202. Copyright © 1986 by The American Association of Immunologists.
### CYTOKINES • MEDIATORS • REGULATORY MOLECULES

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>F. Herrmann, S. A. Cannistra, and J. D. Griffin</td>
<td>T Cell-Monocyte Interactions in the Production of Humoral Factors Regulating Human Granulopoiesis In Vitro</td>
</tr>
<tr>
<td>T. H. Tarter, S. Cunningham-Rundles, and S. S. Kolde</td>
<td>Suppression of Natural Killer Cell Activity by Human Seminal Plasma In Vitro: Identification of 19-OH-PGE as the Suppressor Factor</td>
</tr>
<tr>
<td>L. C. Gahring and R. A. Daynes</td>
<td>Desensitization of Animals to the Inflammatory Effects of Ultraviolet Radiation Is Mediated through Mechanisms Which Are Distinct from Those Responsible for Endotoxin Tolerance</td>
</tr>
<tr>
<td>D. S. Gregerson, W. F. Obrutsch, S. P. Fling, and J. D. Cameron</td>
<td>S-Antigen-Specific Rat T Cell Lines Recognize Peptide Fragments of S-Antigen and Mediate Experimental Autoimmune Uveoretinitis and Pinnaalitis</td>
</tr>
</tbody>
</table>

### IMMUNOCHEMISTRY

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>E. Spack, Jr., and M. Edidin</td>
<td>The Class I MHC Antigens of Erythrocytes: A Serologic and Biochemical Study</td>
</tr>
<tr>
<td>B. N. Beck, J.-M. Buerstedde, C. J. Krco, A. E. Nilson, C. G. Chase, and D. J. McKean</td>
<td>Characterization of Cell Lines Expressing Mutant I-A&lt;sup&gt;b&lt;/sup&gt; and I-A&lt;sup&gt;8&lt;/sup&gt; Molecules Allows the Definition of Distinct Serologic Epitopes on A&lt;sub&gt;α&lt;/sub&gt; and A&lt;sub&gt;β&lt;/sub&gt; Polypeptides</td>
</tr>
<tr>
<td>S. Simonis and S. E. Cullen</td>
<td>Fatty Acylation of Murine Ia α, β, and Invariant Chains</td>
</tr>
<tr>
<td>V. E. Miller, A. E. Lagarde, B. M. Longenecker, and A. H. Greenberg</td>
<td>A Phenyl-β-D-Galactoside-Specific Monoclonal Antibody Reactive with Murine and Rat NK Cells</td>
</tr>
<tr>
<td>M. Campbell, M. Bieber, R. Levy, and N. N. H. Teng</td>
<td>Influence of Avidity and Idiotope Recognition of the Modulation of Surface Immunoglobulin on Malignant Human B Cells by Rat Monoclonal Anti-Idiotype Antibodies</td>
</tr>
</tbody>
</table>

Continued on page 5
Complete Nucleotide and Derived Amino Acid Sequences of Sex-Limited Protein (SLP), Nonfunctional Isotype of the Fourth Component of Mouse Complement (C4)

Alternative Complement Pathway Activation by C4b Deposited during Classical Pathway Activation

C5b-9 Assembly: Average Binding of One C9 Molecule to C5b-8 without Poly-C9 Formation Generates a Stable Transmembrane Pore

Selective inhibition of Arachidonic Acid Metabolite Release from Human Lung Tissue by Antiinflammatory Steroids

LPS Induces Altered Phosphate Labeling of Proteins in Murine Peritoneal Macrophages

Interleukin 2 Does Not Induce Phosphatidylinositol Hydrolysis in Activated T Cells

Interleukin 1: A Common Endogenous Mediator of Inflammation and the Local Shwartzman Reaction

Cytolytic T Lymphocyte Effector Function Requires Plasma Membrane Chloride Flux

Defective Production of Anti-Herpes Simplex Virus Antibody by Neonatal Mice: Reconstitution with la+ Macrophages and T Helper Lymphocytes from Nonimmune Adult Syngeneic Mice

In Vivo Effects of Coronavirus-Specific T Cell Clones: DTH Inducer Cells Prevent a Lethal Infection but Do Not Inhibit Virus Replication

Antibody Mediated Suppression of Secondary IgM Response in Nude Mice against Vesicular Stomatitis Virus

Prophylactic Treatment of BALB/c Mice with Cyclosporine A and Its Analog B-5-49 Enhances Resistance to Leishmania major

Restriction Fragment-Length Polymorphisms of Class II Gene Sequences in Mice Expressing Minor-Structural Variants of I-Ak and I-Ap

Gene Mapping and Somatic Cell Hybrid Analysis of the Role of Human Lymphocyte Function-Associated Antigen-3 (LFA-3) in CTL-Target Cell Interactions

Class-Switching from μ to γ3 or γ2b Production at Pre-B Cell Stage

Continued on page 6