This information is current as of June 9, 2017.
Contents

CELLULAR IMMUNOLOGY

J. M. Teale and C. A. Janeway, Jr. 749 Influence of Immunoglobulin-Dependent T Cells on Antibody Class Switching
M.-L. Gougeon and J. Théze 755 A Polyclonal Assay for T Helper Function Involving T-B Cell Contact Mediated by L3T4 Molecules
J. A. Kern, J. C. Reed, R. P. Daniele, and P. C. Nowell 764 The Role of the Accessory Cell in Mitogen-Stimulated Human T Cell Gene Expression
J.-H. Huang, R. E. Ward, and H. Kohler 770 Idiotope Antigens (Ab2a and Ab2b) Can Induce In Vitro B Cell Proliferation and Antibody Production
J. L. Press and C. A. Giorgetti 784 Differential Expression of a Surface Antigen Recognized by a Monoclonal Antibody, J11d, on Unprimed and Primed B Cells
P. S. Pillai, S. D. Reynolds, J. H. Chace, and D. W. Scott 791 Clonal Analysis of the Primary and Secondary B Cell Responses of Neonatal, Adult, and Xid Mice to (T,G)-A--L
K. Shortman and A. Wilson 798 Degradation of Specificity in Cytolytic T Lymphocyte Clones: The Separate YAC-1-Type (NK-Like) and P815-Type Erodic Specificity Killing Patterns Are Both Restricted to the Larger Cells within a Clone but May Be Expressed Independently in Clones from Different Mouse Strains
R. A. Miller 805 Immunodeficiency of Aging: Restorative Effects of Phorbol Ester Combined with Calcium Ionophore
R. P. Bucy 809 Allantigen-Specific Suppressor T Cells Are Not Inhibited by Cyclosporin A, but Do Require IL 2 for Activation
W. R. Green and J. D. Phillips 814 Differential Induction of H-2K vs H-2D Class I Major Histocompatibility Complex Antigen Expression by Murine Recombinant Interferon-γ

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

A. Weiss, B. Manger, and J. Imboden 819 Synergy between the T3/Antigen Receptor Complex and Tp44 in the Activation of Human T Cells
T. Pumarola-Sune, F. Graus, Y.-X. Chen, C. Cordon-Cardo, and R. L. Evans 826 A Monoclonal Antibody that Induces T Cell Aggregation Reacts with Vascular Endothelial Cells and Placental Trophoblasts
L. Chatenoud, M. F. Baudrihaye, N. Chkoff, H. Kreis, G. Goldstein, and J.-F. Bach 830 Restriction of the Human In Vivo Immune Response against the Mouse Monoclonal Antibody OKT3
P. Burtin, G. Chavanel, J. C. Hendrick, and N. Frenoy 839 Antigenic Variants of the Nonspecific Cross-Reacting Antigen (NCA)
F. A. Zuckermann and J. R. Head 846 Expression of MHC Antigens on Murine Trophoblast and Their Modulation by Interferon

Continued on page 4
### CYTOKINES • MEDIATORS • REGULATORY MOLECULES

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interleukin 1: A Regulatory Role in Glucocorticoid-Regulated Hepatic Metabolism</td>
<td>M. R. Hill, R. D. Stith, and R. E. McCallum</td>
</tr>
<tr>
<td>Suppression of Immune Responses to Sheep Erythrocytes by the Lymphokine Soluble Immune Response Suppressor (SIRS) In Vivo</td>
<td>H. W. Schnaper and T. M. Aune</td>
</tr>
<tr>
<td>Stimulation of Human Neutrophil Fc Receptor-Mediated Phagocytosis by a Low Molecular Weight Cytokine</td>
<td>H. D. Gresham, L. T. Clement, J. E. Lehmyer, F. M. Griffin, Jr., and J. E. Volanakis</td>
</tr>
<tr>
<td>Lymphokine Stimulation of Human Macrophage C2 Production Is Partially Due to Interferon-γ</td>
<td>K. M. Sanders and B. H. Littman</td>
</tr>
<tr>
<td>Phagocytosis by Human Monocytes of Unopsonized Particulate Activators of the Human Alternative Complement Pathway: Induction by Cytokine</td>
<td>B. Chakravarti, R. D. Schreiber, and H. J. Müller-Eberhard</td>
</tr>
</tbody>
</table>

### IMMUNOCHEMISTRY

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Genetic Basis for Altered Idiotype Expression in the Hyperimmune Response to (4-Hydroxy-3-Nitrophenyl)Acetyl Hapten</td>
<td>M. E. White-Scharf and T. Imanishi-Kari</td>
</tr>
<tr>
<td>Analysis of Somatic Cell H-2 Variants to Define the Structural Requirements for Class I Antigen Expression</td>
<td>R. A. Zeff, J. Gopas, E. Steinhauser, T. V. Rajan, and S. G. Nathenson</td>
</tr>
<tr>
<td>HLA-B27 Antigenicity: Antibodies against the Chemically Synthesized 63-84 Peptide from HLA-B27.1 Display Alloantigenic Specificity and Discriminate among HLA-B27 Subtypes</td>
<td>S. Rojo, J. A. López de Castro, P. Aparicio, G. van Seventer, and R. Bragado</td>
</tr>
<tr>
<td>The Choice between Two Distinct T Cell Determinants within a 23 Amino Acid Region of Lysozyme Depends upon Their Structural Context</td>
<td>N. Shastrl, G. Gammon, S. Horvath, A. Miller, and E. E. Sericarz</td>
</tr>
<tr>
<td>Slower Processing, Weaker β2-M Association, and Lower Surface Expression of H-2Lα Are Influenced by Its Amino Terminus</td>
<td>J. C. Beck, T. H. Hansen, S. E. Cullen, and D. R. Lee</td>
</tr>
<tr>
<td>Functional and Molecular Analysis of Three Distinct HLA-DR4 β-Chains Responsible for the MLR between HLA-Dw4, Dw15, and DKT2</td>
<td>K. Hirayama, Y. Nishimura, K. Tsukamoto, and T. Sasazuki</td>
</tr>
<tr>
<td>Structural Relationships between the DRβ1 and DRβ2 Subunits in DR4, 7, and w9 Haplotypes and the DRw53 (MT3) Specificity</td>
<td>T. Matsuyama, J. Schwenker, J. Silver, and R. Winchester</td>
</tr>
<tr>
<td>Only One DQ β Restriction Fragment Pattern of each DR Specificity Is Associated with Insulin-Dependent Diabetes</td>
<td>J. Böhmle, B. Carlsson, J. Wallin, E. Möller, B. Persson, P. A. Peterson, and L. Rask</td>
</tr>
</tbody>
</table>

### IMMUNOPHARMACOLOGY

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heterogeneity among T Cells in Intracellular Free Calcium Responses after Mitogen Stimulation with PHA or Anti-CD3: Simultaneous Use of Indo-1 and Immunofluorescence with Flow Cytometry</td>
<td>P. S. Rabinovitch, C. H. June, and J. A. Ledbetter</td>
</tr>
<tr>
<td>Identification and Characterization of the Phosphatidylinositol Kinase in Membranes of Murine T Lymphocytes</td>
<td>J. J. O'Shea, J. B. Harford, and R. D. Klausner</td>
</tr>
</tbody>
</table>

Continued on page 5
MICROBIAL IMMUNOLOGY

G. Kaplan, C. F. Nathan, R. Gandhi, M. A. Horwitz, W. R. Levis, and Z. A. Cohn
M. J. Parmely and R. T. Horvat
T. J. Braciale, T. J. Henkel, A. Lukacher, and V. L. Braciale
L. Severinsson, I. Martens, and P. A. Peterson
R. M. Gorczyński
P. Scott, P. Natovitz, and A. Sher
C. Chizzolini and L. Perrin

Effect of Recombinant Interferon-γ on Hydrogen Peroxide-Releasing Capacity of Monocyte-Derived Macrophages from Patients with Lepromatous Leprosy
Antigenic Specificities of Pseudomonas aeruginosa Alkaline Protease and Elastase Defined by Human T Cell Clones
Fine Specificity and Antigen Receptor Expression among Influenza Virus-Specific Cytolytic T Lymphocyte Clones
Differential Association between Two Human MHC Class I Antigens and an Adenoviral Glycoprotein
De Sugar Residues Contribute to the Antigenic Determinants Responsible for Protection and/or Abolition of Protection in Leishmania-Infected BALB/c Mice?
B Lymphocytes Are Required for the Generation of T Cells that Mediate Healing of Cutaneous Leishmaniasis
Antigen-Specific and MHC-Restricted Plasmodium falciparum-Induced Human T Lymphocyte Clones

MOLECULAR BIOLOGY • MOLECULAR GENETICS

J. D. Mountz, K. E. Huppi, M. F. Seldin, J. F. Mushinski, and A. D. Steinberg
C. W. Liaw, R. Zamoyska, and J. R. Parnes
F. L. Owen, B. A. Taylor, A. Zweidler, and J. G. Seidman
A. J. Koletsky, M. W. Harding, and R. E. Hanschumacher
L. Sastre, T. K. Kishimoto, C. Gee, T. Roberts, and T. A. Springer

T Cell Receptor Gene Expression in Autoimmune Mice
Structure, Sequence, and Polymorphism of the Lyt-2 T Cell Differentiation Antigen Gene
The Murine γ-Chain of the T Cell Receptor Is Closely Linked to a Spermatocyte Specific Histone Gene and the Beige Coat Color Locus on Chromosome 13
Construction of Human-Mouse T Cell Hybrids that Express Human T Cell-Associated Surface Antigens and Allow the Chromosomal Localization of these Antigens
Cyclophilin: Distribution and Variant Properties in Normal and Neoplastic Tissues
The Mouse Leukocyte Adhesion Proteins Mac-1 and LFA-1: Studies on mRNA Translation and Protein Glycosylation with Emphasis on Mac-1
A Genetically Engineered Murine/Human Chimeric Antibody Retains Specificity for Human Tumor-Associated Antigen

TUMOR IMMUNOLOGY

R. B. Andreasen and L. Olsson

Structure/Function Studies of the Common Acute Lymphoblastic Leukemia Antigen (CALLA/CD10) Expressed on Human Neutrophils
Antibody Producing Human-Human Hybridomas. III. Derivation and Characterization of Two Antibodies with Specificity for Human Myeloid Cells

Announcements
Author Index
Letters to the Editor