Contents

CELLULAR IMMUNOLOGY

T. Takeuchi, S. F. Schlossman, and C. Morimoto
J. D. Dasgupta and E. J. Yunis
P. Anderson, M.-L. Blue, C. Morimoto, and S. F. Schlossman
J. H. Phillips and L. L. Lanier
M. N. ElMasry, E. J. Fox, and R. R. Rich
K. L. Elkins, P. W. Stashak, and P. J. Baker
G. J. Deenan, S. V. Hunt, and D. Opstelten
C. S. Reiss, D. Wang, D. Ghosh, C. Gaposchkin, and E. Kieff
D. H. Maurer, J. H. Hanke, E. Micke!, R. R. Rich, and M. S. Pollack
H. A. Young and J. R. Ortaldo

R. A. Eisenberg, S. Y. Craven, and P. L. Cohen
K. M. Weston, E. T. H. Yeh, M.-S. Sy
A. M. Stanisz, R. Scicchitano, P. Darin, J. Bienenstock, and D. G. Payan
P. Pinkston, C. Saltini, J. Muller-Quernheim, and R. G. Crystal

657 Antibodies to the L3T4 and Lyt-2 Molecules Interfere with Antigen Receptor-Driven Activation of Cloned Murine T Cells
665 The T4 Molecule Differentially Regulating the Activation of Subpopulations of T4+ Cells
672 Receptor-Like Role of HLA-Class I Antigens: Regulation of T Cell Activation
678 Cross-linking of T3 (CD3) with T4 (CD4) Enhances the Proliferation of Resting T Lymphocytes
683 Acquisition of Non-MHC Restricted Cytotoxic Function by IL 2 Activated Thymocytes with an "Immature" Antigenic Phenotype
688 Sequential Effects of Prostaglandins and Interferon-γ on Differentiation of CD8+ Suppressor Cells
695 Cell-Associated IgM, But Not IgD or I-A/E, Is Important in the Activation of Suppressor T Cells by Antigen-Primed B Cells
702 A Stathmokinetic Study of B Lymphocytopoiesis in Rat Bone Marrow: Proliferation of Cells Containing Cytoplasmic μ-Chains, Terminal Deoxyuridine Monophosphate Synthesis, and Carrying HIS24 Antigen
711 Recognition of EBV Plasma Membrane Protein Expressed on Murine Cells after Gene Transfer
715 Differential Presentation of HLA-DR, DQ, and DP Restriction Elements by Interferon-γ-Treated Dermal Fibroblasts
724 One-Signal Requirement for Interferon-γ Production by Human Large Granular Lymphocytes

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

R. A. Eisenberg, S. Y. Craven, and P. L. Cohen
K. M. Weston, E. T. H. Yeh, M.-S. Sy
A. M. Stanisz, R. Scicchitano, P. Darin, J. Bienenstock, and D. G. Payan
P. Pinkston, C. Saltini, J. Muller-Quernheim, and R. G. Crystal

728 Isotype Progression and Clonality of Anti-Sm Autoantibodies in MRL/Mp-1pr/lpr Mice
734 Autoimmunity Accelerates the Development of Autoimmunity and Lympho-proliferation in MRL/Mp-1pr/lpr Mice
743 Specificity of Monoclonal Anti-Z-DNA Antibodies from Unimmunized MRL/Mp-1pr/lpr Mice
749 Distribution of Substance P Receptors on Murine Spleen and Peyer's Patch T and B Cells
755 Corticosteroid Therapy Suppresses Spontaneous Interleukin 2 Release and Spontaneous Proliferation of Lung T Lymphocytes of Patients with Active Pulmonary Sarcoidosis

Continued on page 4
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recombinant Interferon-α, -β, and -γ Enhance the Proliferative Response of Human B Cells</td>
<td>761</td>
</tr>
<tr>
<td>Inhibition of B Lymphocyte Activation by Interferon-γ</td>
<td>767</td>
</tr>
<tr>
<td>Detection of Receptors for Murine B Cell Stimulatory Factor 1 (BSF1): Presence of Functional Receptors on CBA/N Splenic B Cells</td>
<td>774</td>
</tr>
<tr>
<td>Role of Macrophage-Derived Hybridoma Growth Factor in the in Vitro and in Vivo Proliferation of Newly Formed B Cell Hybridomas</td>
<td>780</td>
</tr>
<tr>
<td>Neutrophil Chemotactic Factor Produced by Lipo polysaccharide (LPS)-Stimulated Human Blood Mononuclear Leukocytes: Partial Characterization and Separation from Interleukin 1 (IL 1)</td>
<td>788</td>
</tr>
<tr>
<td>C3a(C3adesArg) Induces Production and Release of Interleukin 1 by Cultured Human Monocytes</td>
<td>794</td>
</tr>
<tr>
<td>In Vivo Immunostimulating Activity of the 163–171 Peptide of Human IL-1β</td>
<td>800</td>
</tr>
<tr>
<td>Interferon-α, -β, and -γ Augment the Levels of rRNA Precursors in Peritoneal Macrophages But Not in Macrophage Cell Lines and Fibroblasts</td>
<td>805</td>
</tr>
<tr>
<td>Purification and NH2-Terminal Sequence of a Plasmacytoma Growth Factor Derived from the Murine Macrophage Cell Line P388D1</td>
<td>813</td>
</tr>
<tr>
<td>Mapping of Four Light Chain-Associated Idiotopes of a Human Monoclonal Rheumatoid Factor</td>
<td>818</td>
</tr>
<tr>
<td>Serologically Defined V Region Subgroups of Human λ Light Chains</td>
<td>824</td>
</tr>
<tr>
<td>Structural Analysis of an HLA-B27 Population Variant, B27f: Multiple Patterns of Amino Acid Changes within a Single Polypeptide Segment Generate Polymorphism in HLA-B27</td>
<td>831</td>
</tr>
<tr>
<td>Fine Specificity of HLA-B27 Cellular Allorecognition: HLA-B27f Is a Functional Variant Distinguishable by Cytolytic T Cell Clones</td>
<td>837</td>
</tr>
<tr>
<td>Biosynthesis and Glycosylation of p150,95 and Related Leukocyte Adhesion Proteins</td>
<td>842</td>
</tr>
<tr>
<td>Relationship between Human IgE-Binding Factors (IgE-BF) and Lymphocyte Receptors for IgE</td>
<td>848</td>
</tr>
<tr>
<td>Structure-Function Relationships for the IL 2-Receptor System. IV. Analysis of the Sequence and Ligand-Binding Properties of Soluble Tac Protein</td>
<td>855</td>
</tr>
<tr>
<td>Co-Sedimentation of Chondroitin Sulfate A Golycosaminoglycans and Proteoglycans with the Cytolytic Secretory Granules of Rat Large Granular Lymphocyte (LGL) Tumor Cells, and Identification of a mRNA in Normal and Transformed LGL that Encodes Proteoglycans</td>
<td>863</td>
</tr>
<tr>
<td>Role of Serotonin in the Regulation of Human Natural Killer Cell Cytotoxicity</td>
<td>869</td>
</tr>
<tr>
<td>Inhibition of Human Natural Killer (NK) Activity by Calcium Channel Modulators and a Calmodulin Antagonist</td>
<td>876</td>
</tr>
<tr>
<td>The Control of Mediator Release from RBL-2H3 Cells: Role for Ca2+, Na+, and Protein Kinase C</td>
<td>881</td>
</tr>
<tr>
<td>Platelet-Collagen Interaction: Inhibition by a Monoclonal Antibody Raised against Collagen Receptor</td>
<td>887</td>
</tr>
</tbody>
</table>
Continued from page 4

D. B. Chandler and J. D. Fulmer  893 Prostaglandin Synthesis and Release by Subpopulations of Rat Alveolar Macrophages
H. Kriegbaum, B. Benninghoff, B. Hacker-Shahin, and W. Droge  899 Correlation of Immunogenicity and Production of Ornithine by Peritoneal Macrophages
B. M. Susskind and J. Chandrasekaran  905 Inhibition of Cytolytic T Lymphocyte Maturation with Ornithine, Arginine, and Putrescine

MICROBIAL IMMUNOLOGY

E. K. Godney and C. J. Gauntt  913 Murine Natural Killer Cells Limit Coxsackievirus B3 Replication
S. M. Phillips, G. P. Linette, B. L. Doughty, J. E. Byram, and F. von Lichtenberg  919 In Vivo T Cell Depletion Regulates Resistance and Morbidity In Murine Schistosomiasis
B. C. Cole, J. W. Tuller, and G. J. Sullivan  927 Stimulation of Mouse Lymphocytes by a Mitogen Derived from Mycoplasma arthritidis. VI. Detection of a Non-MHC Gene(s) in the Ea-Bearing RIIIS Mouse Strain that Is Associated with a Specific Lack of T Cell Responses to the M. arthritidis Soluble Mitogen

MOLECULAR BIOLOGY • MOLECULAR GENETICS

N. Holmes, P. Ennis, A. M. Wau, D. W. Denney, and P. Parham  936 Multiple Genetic Mechanisms Have Contributed to the Generation of the HLA-A2/A28 Family of Class I MHC Molecules
A. Maffei, L. Scarpettino, M. Bernard, G. Carra, M. Jotter-and-Bellomo, J. Guardiola, and R. S. Accolla  942 Distinct Mechanisms Regulate MHC Class II Gene Expression in B Cells and Macrophages
M. A. Collart, D. Belin, J.-D. Vassalli, and P. Vassalli  949 Modulations of Functional Activity in Differentiated Macrophages Are Accompanied by Early and Transient Increase or Decrease in c-fos Gene Transcription
W. H. Fletcher, W. W. Shiu, T. A. Ishida, D. L. Haviland, and C. F. Ware  956 Resistance to the Cytolytic Action of Lymphotoxin and Tumor Necrosis Factor Coincides with the Presence of Gap Junctions Uniting Target Cells
L. K. Harris and J. C. Cambier  963 B Lymphocyte Activation: Transmembrane Signal Transduction by Membrane Immunoglobulin in isolated Cell Membranes

TUMOR IMMUNOLOGY

N. Berenstein and R. Levy  971 Treatment of a Murine B Cell Lymphoma with Monoclonal Antibodies and IL 2
Y. Kaufmann, M. Levanon, J. Davidsohn, and B. Ramot  977 Interleukin 2 Induces Human Acute Lymphocytic Leukemia Cells to Manifest Lymphokine-Activated-Killer (LAK) Cytotoxicity

Author Index  983