Contents

CELLULAR IMMUNOLOGY

E. K. Lakey, E. Margolish, F. W. Fitch, and S. K. Pierce 3933 Role of L3T4 and Ia in the Heteroclitic Response of T Cells to Cytochrome c

R. L. H. Bolhuis, R. C. Roozemond, and R. J. van de Friend 3939 Induction and Blocking of Cytolysis in CD2+, CD3−NK and CD2+, CD3+ Cytotoxic T Lymphocytes via CD2 50 KD Sheep Erythrocyte Receptors


T. Kurita, H. Kiyono, K. Komiyama, C. E. Grossi, J. Mestecky, and J. R. McGhee 3953 Isotype-Specific Immunoregulation: Characterization and Function of Fc Receptors on T-T Hybridomas which Produce Murine IgA-Binding Factor

E. Gomard, Y. Henin, G. Sterkers, M. Masset, R. Fauchet, and J. P. Levy 3961 An Influenza A Virus-Specific and HLA-DRw8-Restricted T Cell Clone Cross-Reacting with a Transcomplementation Product of the HLA-DR2 and DR4 Haploype

T. Uede, H. Kohda, H. Yuasa, H. Osawa, T. Diamantstein, J. Yodoi, Y. Ishii, and K. Kikuchi 3968 5C6-F4, a Novel 100,100-Dalton Rat Lymphocyte Activation Antigen Defined by Monoclonal Antibody

L. A. Sherman 3977 The Origin of Strain-Specific Differences in the Specificity Repertoires of Murine Cytolytic T Lymphocytes

G. Dennert, C. G. Anderson, and J. Warner 3981 Induction of Bone Marrow Allograft Rejection and Hybrid Resistance in Nonresponder Recipients by Antibody: Is there Evidence for a Dual Receptor Interaction in Acute Marrow Graft Rejection?

T. Noma, V. E. Kelley, H. Kawasaki, M. Minami, and M. E. Dorf 3987 The Differential Ability of Splenic Adherent Cells from B6.1pr Mice to InduceSuppressor T Cells

P. Hunt and D. D. Eardley 3994 Suppressive Effects of Insulin and Insulin-Like Growth Factor-1 (IGF-1) on Immune Responses

G. Dighiero, P. Poncet, S. Rouyre, and J.-C. Mazie 4000 Newborn Xid Mice Carry the Genetic Information for the Production of Natural Autoantibodies against DNA, Cytoskeletal Proteins, and TNP

L. L. Stunz and T. L. Feldbush 4006 Polyclonal Activation of Rat B Cells. I. A Single Mitogenic Signal Can Stimulate Proliferation, but Three Signals Are Required for Differentiation

D. R. Howard, A. C. Eaves, and F. Takei 4013 Lymphocyte Function-Associated Antigen (LFA-1) Is involved in B Cell Activation


Continued on page 4
Continued from page 3

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

W. A. Buurman, T. J. M. Ruers, I. A. J. M. Daemen, C. J. van der Linden, and G. Groenenwegen

M. K. Rozans, B. R. Smith, S. J. Burakoff, and R. A. Miller

T. Folks, J. Kelly, S. Benn, A. Kinter, J. Justement, J. Gold, R. Redfield, K. W. Sell, and Anthony S. Fauci

L. A. Lampson and W. F. Hickey

R. N. Smith, A. Amsden, 0. Sudilovsky, N. Coleman, and R. Margolies

J. S. Cowdery and F. E. McKiernan

W. F. Davidson, F. J. Dumont, H. G. Bedigian, B. J. Fowlkes, and H. C. Morse

K. Phadke, D. G. Carlson, B. D. Gitter, and L. D. Butler

4035 Cyclosporine A Inhibits IL 2-Driven Proliferation of Human Alloactivated T Cells

4040 Long-Lasting Deficit of Functional T Cell Precursors in Human Bone Marrow Transplant Recipients Revealed by Limiting Dilution Methods

4049 Susceptibility of Normal Human Lymphocytes to Infection with HTLV-III/LAV

4054 Monoclonal Antibody Analysis of the MHC Expression in Human Brain Biopsies: Tissue Ranging from "Histologically Normal" to that Showing Different Levels of Glial Tumor Involvement

4063 The Alloantibody Response in the Allogeneically Pregnant Rat. IV. Analysis of the Alloantibody Specificities with Monoclonal Antibodies

4070 Analysis of T Cell and B Cell Function in Peyer's Patch and Lamina Propria of New Zealand Black and DBA/2 Mice

4075 Phenotypic, Functional, and Molecular Genetic Comparisons of the Abnormal Lymphoid Cells of C3H-lpp/lpr and C3h-gld/gld Mice

4085 Role of Interleukin 1 and Interleukin 2 in Rat and Mouse Arthritis Models

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

T. R. Malek and P. E. Korty


S. C. Meuer and K.-H. Meyer zum Büschenfelde

S. J. Naides

F. Amano, M. Nishijima, and Y. Akamatsu

B. Xue, R. M. Dersarkissian, R. L. Baer, G. J. Thorbecke, and D. V. Belsito

C. R. Faltynek, G. L. Princi1er, and J. R. Ortaldo

4092 The Murine Interleukin 2 Receptor. IV. Biochemical Characterization

4099 A Secreted Form of the Human Interleukin 2 Receptor Encoded by an "Anchor Minus" cDNA

4106 T Cell Receptor Triggering Induces Responsiveness to Interleukin 1 and Interleukin 2 but Does Not Lead to T Cell Proliferation

4113 Suppression of Antigen-Specific Interleukin 2 Production in the MRL/MpJ-lpr/lpr Mouse

4122 A Monosaccharide Precursor of Escherichia coli Lipid A Has the Ability to Induce Tumor-Cytotoxic Factor Production by a Murine Macrophage-Like Cell Line, J774.1

4128 Reversal by Lymphokines of the Effect of Cyclosporin A on Contact Sensitivity and Antibody Production in Mice

4134 Expression of IFN-α and IFN-γ Receptors on Normal Human Small Resting T Lymphocytes and Large Granular Lymphocytes

IMMUNOCHEMISTRY

C. Mold, N. R. Cooper, and G. R. Nemewrow

M. F. E. Slaw, G. R. Nemewrow, and N. R. Cooper

T. Seya, S. Nagasawa, and J. P. Atkinson

N. J. Levy and D. L. Kasper


4140 Incorporation of the Purified Epstein Barr Virus/C3d Receptor (CR2) into Liposomes and Demonstration of its Dual Ligand Binding Functions

4146 Biochemical and Antigenic Analysis of the Epstein Barr Virus/C3d Receptor (CR2)

4152 Location of the Interchain Disulfide Bonds of the Fourth Component of Human Complement (C4): Evidence Based on the Liberation of Fragments Secondary to Thiol-disulfide Interchange Reactions

4157 Surface-Bound Capsular Polysaccharide of Type Ia group B Streptococcus Mediates C1 Binding and Activation of the Classic Complement Pathway

4163 A Human Monoclonal Antibody Directed to Blood Group I Antigen: Heterohybridoma between Human Lymphocytes from Regional Lymph Nodes of a Patient with Lung Cancer and Mouse Myeloma

Continued on page 5
Continued from page 4

F. Prelli, D. Tumolo, A. Solomon, and B. Frangione 4169 Novel Human Light Chain Vκ Segment: Serologic and Structural Analysis of the xIII-Like Bence Jones Protein and IgGκ Light Chain REE
L. H. Stanker, E. Branscomb, M. Vanderlaan, and R. H. Jensen 4174 Monoclonal Antibodies Recognizing Single Amino Acid Substitutions in Hemoglobin

IMMUNOPHARMACOLOGY

N. R. Ferreri, W. C. Howland, and H. L. Spiegelberg 4188 Release of Leukotrienes C₄ and B₄ and Prostaglandin E₂ from Human Monocytes Stimulated with Aggregated IgG, IgA, and IgE
S. D. Somers, J. E. Weiel, T. A. Hamilton, and D. O. Adams 4199 Phorbol Esters and Calcium Ionophore Can Prime Murine Peritoneal Macrophages for Tumor Cell Destruction
K. Mehta, P. Claringbold, and G. Lopez-Berstein 4206 Amphotericin B Inhibits the Serum-Induced Expression of Tissue Transglutaminase in Murine Peritoneal Macrophages
M. P. Fletcher 4213 Modulation of the Heterogeneous Membrane Potential Response of Neutrophils to N-Formyl-Methionyl-Leucyl-Phenylalanine (FMLP) by Leukotriene B₄: Evidence for Cell Recruitment
S. J. Klebanoff, M. A. Vadas, J. M. Harlan, L. H. Sparks, J. R. Gamble, J. M. Agosti, and A. M. Waltersdorpf 4220 Stimulation of Neutrophils by Tumor Necrosis Factor
H. J. Wedner and G. Bass 4226 Tyrosine Phosphorylation of a 66,000 M, Solution Protein in Lectin-Activated Human Peripheral Blood T Lymphocytes

MICROBIAL IMMUNOLOGY

G. A. Weinberg, D. M. Granoff, M. H. Nahm, and P. G. Shackelford 4232 Functional Activity of Different IgG Subclass Antibodies against Type b Capsular Polysaccharide of Haemophilus influenzae
A.B. Tilden, R. Cauda, C. E. Grossi, C. M. Balch, A. D. Lakeman, and R. J. Whitley 4243 Demonstration of NK Cell-Mediated Lysis of Varicella-Zoster Virus (VZV)-Infected Cells: Characterization of the Effector Cells
D. Levitt, R. Danen, and J. Bard 4249 Both Species of Chlamydia and Two Biovars of Chlamydia trachomatis Stimulate Mouse B Lymphocytes
K. Onoé, R. A. Good, and K.-i. Yamamoto 4264 Anti-Bacterial Immunity to Listeria monocytogenes in Allogeneic Bone Marrow Chimera in Mice
J. B. Weiss, J. L. Magnani, and M. Strand 4275 Identification of Schistosoma mansoni Glycolipids that Share Immunogenic Carbohydrate Epitopes with Glycoproteins

Continued on page 6
### Molecular Biology • Molecular Genetics

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>R. M. Duvoisin, O. Heidmann, and J.-C. Jaton</td>
<td>4297</td>
<td>Characterization of Four Constant Region Genes of Rabbit Immunoglobulin-λ Chains</td>
</tr>
</tbody>
</table>

### Tumor Immunology

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. M. Pesando and L. Graf</td>
<td>4311</td>
<td>Differential Expression of HLA-DR, -DQ, and -DP Antigens on Malignant B Cells</td>
</tr>
<tr>
<td>R. J. De Boer, S. Michelson, and P. Hogeweg</td>
<td>4319</td>
<td>Concomitant Immunization by the Fully Antigenic Counterparts Prevents Modulated Tumor Cells from Escaping Cellular Immune Elimination</td>
</tr>
<tr>
<td>G. Strassmann, T. A. Springer, S. D. Somers, and D. O. Adams</td>
<td>4328</td>
<td>Mechanisms of Tumor Cell Capture by Activated Macrophages: Evidence for Involvement of Lymphocyte Function-Associated (LFA)-1 Antigen</td>
</tr>
</tbody>
</table>

### Erratum

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>D. Fox, S. Schlossman, and E. Reinherz</td>
<td>4334</td>
<td>Regulation of the Alternative Pathway of T Cell Activation by Anti-T3 Monoclonal Antibody</td>
</tr>
</tbody>
</table>

**Announcements** | 4334
**Obituary**     | 4335
**Author Index** | 4336