CONTENTS

CELLULAR IMMUNOLOGY

M. Taniguchi and J. F. A. P. Miller 21 Specific Suppression of the Immune Response by a Factor Obtained from Spleen Cells of Mice Tolerant to Human γ-Globulin
W. W. Ginsburg, F. D. Finkelman, and P. E. Lipsky 33 Circulating and Mitogen-Induced Immunoglobulin-Secreting Cells in Human Peripheral Blood: Evaluation by a Modified Reverse Hemolytic Plaque Assay
J. W. Moorhead 137 Tolerance and Contact Sensitivity to DNFB in Mice. VIII. Identification of Distinct T Cell Subpopulations That Mediate in Vivo and in Vitro Manifestations of Delayed Hypersensitivity
G. J. V. Nossal and B. L. Pike 145 Improved Procedures for the Fractionation and in Vitro Stimulation of Hapten-Specific B Lymphocytes
S. D. Douglas 151 Alterations in Intramembrane Particle Distribution during Interaction of Erythrocyte-Bound Ligands with Immunoprotein Receptors
E. P. Mayer, W.-Y. Chen, S. Dray, and M. Teodorescu 167 The Identification of Six Mouse Lymphocyte Subpopulations by Their Natural Binding of Bacteria
P. W. Askenase, W. T. Boone, and H. J. Binder 198 Colonic Basophil Hypersensitivity
T. L. Rothstein, M. G. Mage, J. Mond, and L. L. McHugh 209 Guinea Pig Antiserum to Mouse Cytotoxic T Lymphocytes and Their Precursors
K. P. W. J. McAdam and J. L. Ryan 249 C57BL/10CR Mice: Nonresponders to Activation by the Lipid A Moiety of Bacterial Lipopolysaccharide
M. Okamoto and M. M. Mayer 272 Studies on the Mechanism of Action of Guinea Pig Lymphotoxin. I. Membrane Active Substances Prevent Target Cell Lysis by Lymphotoxin
M. Okamoto and M. M. Mayer 279 Studies on the Mechanism of Action of Guinea Pig Lymphotoxin. II. Increase of Calcium Uptake Rate in LT-Damaged Target Cells

CLINICAL IMMUNOLOGY

S. E. Martin, R. T. Breckenridge, S. I. Rosenfeld, and J. P. Leddy 9 Responses of Human Platelets to Immunologic Stimuli: Independent Roles for Complement and IgG in Zymosan Activation
P. J. Durda, C. Shapiro, and P. D. Gottlieb 53 Partial Molecular Characterization of the Ly-1 Alloantigen on Mouse Thymocytes
R. Patterson, J. L. F. Wang, M. Roberts, and C. R. Zeiss 66 Comparison of Radioimmunoassay Techniques in the Detection of IgE and IgG Antibody Activity against Aspergillus fumigatus Antigens
W. H. West, R. B. Boozer, and R. B. Herberman 90 Low Affinity E-Rosette Formation by the Human K Cell
D. G. Haegert 124 Observations on the Number of Immunoglobulin-Bearing Lymphocytes in Human Peripheral Blood with the Mixed Antiglobulin-Rosetting Reaction and Direct Immunofluorescence
C. R. Rinaldo, Jr., B. S. Richter, P. H. Black, R. Callery, L. Chess, and M. S. Hirsch 130 Replication of Herpes Simplex Virus and Cytomegalovirus in Human Leukocytes
T. Sakane and I. Green 302 Protein A from Staphylococcus aureus – A Mitogen for Human T Lymphocytes and B Lymphocytes but Not L Lymphocytes
### IMMUNOCHEMISTRY

<table>
<thead>
<tr>
<th>Authors</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. Gebrehiwet and H. J. Müller-Eberhard</td>
<td>27</td>
<td>Lysis of C1q-Coated Chicken Erythrocytes by Human Lymphoblastoid Cell Lines</td>
</tr>
<tr>
<td>J. A. Winkelstein and A. Tomasz</td>
<td>174</td>
<td>Activation of the Alternative Complement Pathway by Pneumococcal Cell Wall Teichoic Acid</td>
</tr>
<tr>
<td>M. B. Goldman, S. Bangalore, and J. N. Goldman</td>
<td>216</td>
<td>Functional and Biochemical Properties of the Early Classical Complement System of Mice</td>
</tr>
<tr>
<td>H. Kohler, B. C. Richardson, and S. Smyk</td>
<td>233</td>
<td>Immune Response to Phosphorylcholine. IV. Comparison of Homologous and Isologous Anti-idiotypic Antibody</td>
</tr>
<tr>
<td>J. K. Anderson and R. S. Metzgar</td>
<td>262</td>
<td>Detection and Partial Characterization of Human T and B Lymphocyte Membrane Antigens with Antisera to HSB and SB Cell Lines</td>
</tr>
<tr>
<td>M. H. Ginsberg and D. C. Morrison</td>
<td>317</td>
<td>The Selective Binding of Aggregated IgG to Lipid A-Rich Bacterial Lipopolysaccharides</td>
</tr>
</tbody>
</table>

### IMMUNOGENETICS AND TRANSPLANTATION

<table>
<thead>
<tr>
<th>Authors</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>T. J. Kipps, B. Benacerraf, and M. E. Dorf</td>
<td>48</td>
<td>Analysis of the Restricted Dinitrophenyl (DNP) Antibody Response to the DNP Conjugate of Poly-(L-GLU^{6}, L-LYS^{8}, L-PHE^{9})</td>
</tr>
<tr>
<td>S. Ishizaka, S. Otani, and S. Morisawa</td>
<td>61</td>
<td>Effects of Carrageenan on Immune Responses. II. A Possible Regulatory Role of Macrophages in the Immune Responses of Low-Responder Mice</td>
</tr>
<tr>
<td>P. F. Piguet and P. Vassalli</td>
<td>79</td>
<td>Rejection of Allo- or Xenografts of Lymphoid Cells by Nude Mice: T Cell Suicide as a Result of Cooperation between Histoincompatible T and B Cells</td>
</tr>
<tr>
<td>D. V. Cramer, B. K. Davis, J. W. Shonnard, O. Stark, and T. J. Gill III</td>
<td>179</td>
<td>Phenotypes of the Major Histocompatibility Complex in Wild Rats of Different Geographic Origins</td>
</tr>
</tbody>
</table>

### IMMUNOPATHOLOGY

<table>
<thead>
<tr>
<th>Authors</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>F. H. Valone and E. J. Goetzl</td>
<td>102</td>
<td>Immunologic Release in the Rat Peritoneal Cavity of Lipid Chemotactic and Chemokinetic Factors for Polymorphonuclear Leukocytes</td>
</tr>
<tr>
<td>G. R. Moeller, L. Terry, and R. Snyderman</td>
<td>116</td>
<td>The Inflammatory Response and Resistance to Endotoxin in Mice</td>
</tr>
<tr>
<td>K. S. K. Tung and A. Woodruff</td>
<td>320</td>
<td>Immunopathology of Experimental Allergic Orchitis in the Rabbit</td>
</tr>
</tbody>
</table>

### TUMOR IMMUNOLOGY

<table>
<thead>
<tr>
<th>Authors</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. Marcelletti and P. Furmanski</td>
<td>1</td>
<td>Spontaneous Regression of Friend Virus-Induced Erythroleukemia. III. The Role of Macrophages in Regression</td>
</tr>
<tr>
<td>J.-C. Bystryn</td>
<td>96</td>
<td>Antibody Response and Tumor Growth in Syngeneic Mice Immunized to Partially Purified B16 Melanoma-Associated Antigens</td>
</tr>
<tr>
<td>C. A. Savary and E. Lotzová</td>
<td>239</td>
<td>Suppression of Natural Killer Cell Cytotoxicity by Splenocytes from Corynebacterium parvum-injected, Bone Marrow-Tolerant, and Infant Mice</td>
</tr>
</tbody>
</table>

*Continued on page 4*
Y. Yamamura
L. P. Ruco and M. S. Meltzer

Immunologic Responses to a Murine Mammary Adenocarcinoma: In Vitro Production of Specific Killer Cells is Dependent on Active T Lymphocytes
Defective Tumoricidal Capacity of Macrophages from C3H/HeJ Mice
Lymphocyte Cytotoxicity in X-Irradiation-Induced Rat Small Bowel Adenocarcinoma. III. Blocking by 3 M KCl Extract

VIRAL AND MICROBIOLOGY IMMUNOLOGY

S. De Flora 40 Thermal Inactivation of Hepatitis B Surface Antigen
P. A. Coulis, R. M. Lewert, and F. W. Fitch 58 Splenic Suppressor Cells and Cell-Mediated Cytotoxicity in Murine Schistosomiasis
L. Spero, B. A. Morlock, and J. F. Metzger 86 On the Cross-Reactivity of Staphylococcal Enterotoxins A, B, and C
B. M. Sultzer 254 Infection with Bacillus Calmette-Guérin Activates Murine Thymus-Independent (B) Lymphocytes
M. C. Woan, D.-M. Yip, and W. A. F. Tompkins 312 Autochthonous, Allogeneic, and Xenogeneic Cells as Targets for Vaccinia Immune Lymphocyte Cytotoxicity

COMMUNICATIONS

R. Gelb, C. L. Chiang, and J. Klein 340 Evidence for Multiple Clones of Cytotoxic T Cells Responding to Antigenic Determinants on the Same Molecule

Announcements 343
Author Index 345