## Contents

### CELLULAR IMMUNOLOGY

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Page(s)</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>W. Born, M. McDuffie, N. Roehm, E. Kushnir, J. White, D. Thorpe, J. Stefano, J. Kappler, and P. Marrack</td>
<td>999</td>
<td>Expression and Role of the T Cell Receptor in Early Thymocyte Differentiation in Vitro</td>
</tr>
<tr>
<td>R. C. Budd, J.-C. Cerottini, and H. R. MacDonald</td>
<td>1009</td>
<td>Phenotypic Identification of Memory Cytolytic T Lymphocytes in a Subset of Lyt-2+ Cells</td>
</tr>
<tr>
<td>K. C. Gorman, K. P. Kane, and W. R. Clark</td>
<td>1014</td>
<td>Target Cell Recognition Structures in LDCC and ODCC</td>
</tr>
<tr>
<td>S. G. Kaminsky, V. Milisauskas, P. B. Chen, and I. Nakamura</td>
<td>1020</td>
<td>Defective Differentiation of Natural Killer Cells in SJL Mice: Role of the Thymus</td>
</tr>
<tr>
<td>F. Jotereau, F. Heuze, V. Salomon-Vie, and H. Gascan</td>
<td>1026</td>
<td>Cell Kinetics in the Fetal Mouse Thymus: Precursor Cell Input, Proliferation, and Emigration</td>
</tr>
<tr>
<td>A. M. Van Buskirk and H. Braley-Mullen</td>
<td>1031</td>
<td>Characterization of Helper T Cells Induced by the Type 2 Antigen Polyvinylpyrrolidone</td>
</tr>
<tr>
<td>K. Kosmatopoulos, D. S. Algara, and S. Orbach-Arbouys</td>
<td>1038</td>
<td>Anti-Receptor Anti-MHC Cytotoxic T Lymphocytes: Their Role in the Resistance to Graft vs Host Reaction</td>
</tr>
<tr>
<td>J. Reimann, A. Bellan, and D. Kabelitz</td>
<td>1042</td>
<td>Antigen-Presenting T Cells. I. Class I Alloantigen (bm1)-bearing T Lymphoblasts Efficiently Stimulate a Primary Clonal Response of Lyt-2+ Cytotoxic Lymphocyte Precursors of B6 Origin</td>
</tr>
<tr>
<td>C. A. Janeway, Jr., J. Ron, and M. E. Katz</td>
<td>1051</td>
<td>The B Cell Is the Initiating Antigen-Presenting Cell in Peripheral Lymph Nodes</td>
</tr>
<tr>
<td>M. R. Alderson, B. L. Pike, and G. J. V. Nossal</td>
<td>1056</td>
<td>Effects of Antigens and Lymphokines on Early Activation of Single Hapten-Specific B Lymphocytes</td>
</tr>
</tbody>
</table>

### CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Page(s)</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. B. Tilden, K. Itoh, and C. M. Balch</td>
<td>1068</td>
<td>Human Lymphokine-Activated Killer (LAK) Cells: Identification of Two Types of Effector Cells</td>
</tr>
<tr>
<td>N. J. Simkin, D. F. Jelinek, and P. E. Lipsky</td>
<td>1074</td>
<td>Inhibition of Human B Cell Responsiveness by Prostaglandin E2</td>
</tr>
</tbody>
</table>

Continued on page 4
Continued from page 3

L. S. Collins and K. Dorshkind 1082 A Stromal Cell Line from Myeloid Long-Term Bone Marrow Cultures Can Support Myelopoiesis and B Lymphopoiesis

P. L. Stern, N. Beresford, C. I. Friedman, V. C. Stevens, J. M. Risk, and P. M. Johnson 1088 Class I-like MHC Molecules Expressed by Baboon Placental Syncytiotrophoblast

C. G. Romball and W. O. Weigle 1092 Transfer of Experimental Autoimmune Thyroiditis with T Cell Clones

Cytokines • Mediators • Regulatory Molecules


M. J. Tocci, N. I. Hutchinson, P. M. Cameron, K. E. Kirk, D. J. Norman, J. Chin, E. A. Rupp, G. A. Limjueco, V. M. Bonilla-Argudo, and J. A. Schmidt 1109 Expression in Escherichia coli of Fully Active Recombinant Human IL-1β: Comparison with Native Human IL-1β

M. J. Tocci, N. I. Hutchinson, P. M. Cameron, K. E. Kirk, D. J. Norman, J. Chin, E. A. Rupp, G. A. Limjueco, V. M. Bonilla-Argudo, and J. A. Schmidt 1113 Characterization of the C3 Receptor Induced by Herpes Simplex Virus Type 1 Infection of Human Epidermal, Endothelial, and A431 Cells

A. Ueda, J. F. Kearney, K. H. Roux, and J. E. Volanakis 1114 Probing Functional Sites on Complement Protein B with Monoclonal Antibodies: Evidence for C3b-binding Sites on Ba

D. A. Bobak, T. A. Gaither, M. M. Frank, and A. J. Tenner 1115 Characterization of a Novel Murine T Cell Activating Factor

S. M. Dehoux-Zenou, M. Guenounou, H. Zinbi, P. Ougen, R. Couderc, and J. C. Agneray 1117 The Cyclosporins Inhibit Lymphocyte Activation at More than One Site

R. D. Garman and D. H. Raulet 1121 Modulation of FcR Function by Complement: Subcomponent C1q Enhances the Phagocytosis of IgG-Opsonized Targets by Human Monocytes and Culture-Derived Macrophages


IMMUNOCHEMISTRY

Y. Kubota, T. A. Gaither, J. Casen, J. J. O'Shea, and T. J. Lawley 1137 Characterization of the C3 Receptor Induced by Herpes Simplex Virus Type 1 Infection of Human Epidermal, Endothelial, and A431 Cells

A. Ueda, J. F. Kearney, K. H. Roux, and J. E. Volanakis 1143 Probing Functional Sites on Complement Protein B with Monoclonal Antibodies: Evidence for C3b-binding Sites on Ba

D. A. Bobak, T. A. Gaither, M. M. Frank, and A. J. Tenner 1150 Modulation of FeR Function by Complement: Subcomponent C1q Enhances the Phagocytosis of IgG-Opsonized Targets by Human Monocytes and Culture-Derived Macrophages

S. M. Dehoux-Zenou, M. Guenounou, H. Zinbi, P. Ougen, R. Couderc, and J. C. Agneray 1157 Characterization of a Novel Murine T Cell Activating Factor

P.-O. Couraud 1164 Anti-Angiotensin II Anti-Idiotypic Antibodies Bind to Angiotensin II Receptor

J. H. Spragg and J. W. Good- man 1169 Characterization of the C3 Receptor Induced by Herpes Simplex Virus Type 1 Infection of Human Epidermal, Endothelial, and A431 Cells

R. S. Rein, G. H. A. Seemann, J. J. Neefjes, F. M. H. Hochstenbach, N. J. Stam, and H. L. Ploegh 1178 Association with β2-Microglobulin Controls the Expression of Transfected Human Class I Genes

IMMUNOPHARMACOLOGY

L. A. Gifford, T. Chernov-Rogan, J. P. Harvey, C. H. Koo, D. W. Goldman, and E. J. Goetzl 1184 Recognition of Human Polymorphonuclear Leukocyte Receptors for Leukotriene B4 by Rabbit Anti-Idiotypic Antibodies to a Mouse Monoclonal Antileukotriene B4

L. Baud, J. Perez, M. Denis, and R. Ardaliou 1190 Modulation of Fibroblast Proliferation by Sulfidopeptide Leukotrienes: Effect of Indomethacin

H. R. Katz and K. F. Austen 1196 Biochemical Characterization of a Mast Cell Plasma Membrane Antigen Shared by Mouse Serosal, Culture-Derived, and Virally Transformed Mast Cells

J. Ishitoya and T. Takenawa 1201 Potentiation of PGE2-Induced Increase in Cyclic AMP by Chemotactic Peptide and Ca2+ Ionophore Through Calmodulin-Dependent Processes

D. Ganea, D. Cearlock, J. Minowada, and S. Dray 1208 A Serine Proteinase Inhibitor Produced by an HTLV 1 Virus-Transformed Human T Lymphocyte Line

Continued on page 5
Sensitivity of Simian Virus 40-Transformed C57BL/6 Mouse Embryo Fibroblasts to Lysis by Murine Natural Killer Cells

Anti-T Cell Receptor Antibodies Fail to Inhibit Specific Lysis by CTL Clones but Activate Lytic Activity for Irrelevant Targets

Analysis of Immune Function in Herpes Zoster Patients: Demonstration and Characterization of Suppressor Cells

Reactivation of Herpes Simplex Virus Is Associated with Production of a Low Molecular Weight Factor that Inhibits Lymphokine Activity in Vitro

Clq Enhancement of IgG-Dependent Eosinophil-Mediated Killing of Schistosomula in Vitro

Macrophage Activation for Antileishmanial Defense by an Apparently Novel Mechanism

Anaphylaxis-Mediated Epithelial Cl3 Secretion and Parasite Rejection in Rat Intestine

Use of a DNA Probe to Measure the Neutralization of Plasmodium berghei Sporozoites by a Monoclonal Antibody

T Cell Receptor-CD3 Complex during Early T Cell Differentiation: Analysis of Immature T Cell Acute Lymphoblastic Leukemias (T-ALL) at DNA, RNA, and Cell Membrane Level

Spontaneous Deletion at the β2m Locus: Evidence for Site-Specific Genetic Rearrangement

Identification of a Interferon-γ Response Region 5' of the Human Histocompatibility Leukocyte Antigen DR-α Chain Gene which Is Active in Human Multiform Glioblastoma Lines

Germ-Line Affinity and Germ-Line Variable-Region Genes in the B Cell Response

Idiotype Vaccination against Murine B Cell Lymphoma: Inhibition of Tumor Immunity by Free Idiotype Protein

Phenotypic and Functional Characterization of Recombinant Interleukin 2 (rIL 2)-Induced Activated Killer Cells: Analysis at the Population and Clonal Levels

The Third Component of Complement (C3) Bound to Tumor Target Cells Enhances Their Sensitivity to Killing by Activated Macrophages

Immunochemical and Functional Analysis of HLA Class II Antigens Induced by Recombinant Immune Interferon on Normal Epidermal Melanocytes

Announcements

Author Index