Contents

CELLULAR IMMUNOLOGY

S. Y. Yang, S. Rhee, K. Welte, and B. Dupont
C. M. Snapper, C. Peschel, and W. E. Paul
F. Faure, S. Jitsukawa, S. Meuer, C. Bohuoan, F. Triebel, and T. Hercend
M. M. Chan, C. H. Chen, L. L. Ager, and M. D. Cooper
S.-I. Hayashi, P. L. Witte, L. D. Shultz, and P. W. Kincade
T. D. Geppert, M. C. Wacholtz, L. S. Davis, and P. E. Lipsky
C. Morimoto, C. E. Rudd, N. L. Leitvin, M. Hagan, and S. F. Schlossman
A. N. Akbar, L. Terry, A. Timms, P. C. L. Beverley, and G. Janossey
B. A. Torres and H. M. Johnson

2115 Differential In Vitro Activation of CD8-CD4+ and CD4-CD8+ T Lymphocytes by Combinations of Anti-CD2 and Anti-CD3 Antibodies

2121 IFN-γ Stimulates IgG2a Secretion by Murine B Cells Stimulated with Bacterial Lipopolysaccharide

2128 Identification of a CD2-CD3+ T Cell Receptor-γ+ Peripheral Blood Lymphocyte Subpopulation

2133 Identification of the Avian Homologues of Mammalian CD4 and CD8 Antigens

2139 Lymphohemopoiesis in Culture Is Prevented by Interaction with Adherent Bone Marrow Cells from Mutant Viable Motheaten Mice

2148 The Expression of B Cell Surface Receptors. I. The Ontogeny and Distribution of the Murine B Cell IgE Fc Receptor

2155 Activation of Human T4 Cells by Cross-Linking Class I MHC Molecules

2165 2H1-A Novel Antigen Involved in T Lymphocyte Triggering

2171 Loss of CD45R and Gain of UCHL1 Reactivity Is a Feature of Primed T Cells

2179 Arginine Vasopressin (AVP) Replacement of Helper Cell Requirement in IFN-γ Production: Evidence for a Novel AVP Receptor on Mouse Lymphocytes

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

S. Varsano, S. C. Lazarus, W. M. Gold, and J. A. Nadel
F. G. Roberge, R. R. Caspi, and R. B. Nussenblatt
E. Cornacchia, J. Golbus, J. Maybaum, J. Strahler, S. Hanash, and B. Richardson
R. A. Sobel, D. A. Hafner, E. E. Castro, C. Morimoto, and H. L. Weiner
K. Sainis and S. K. Datta

2184 Selective Adhesion of Mast Cells to Tracheal Epithelial Cells In Vitro

2193 Glial Retinal Müller Cells Produce IL-1 Activity and Have a Dual Effect on Autoimmune T Helper Lymphocytes: Antigen Presentation Manifested after Removal of Suppressive Activity

2197 Hydralazine and Procainamide Inhibit T Cell DNA Methylation and Induce Autoreactivity

2201 A Monoclonal Antibody Detects Macrophage Maturation Antigen Which Appears Independently of Class II Antigen Expression: Reactivity of Monoclonal EBMM11 with Bovine Macrophages

2210 The 2H4 (CD45R) Antigen Is Selectively Decreased in Multiple Sclerosis Lesions

2215 CD4+ T Cell Lines with Selective Patterns of Autoreactivity as Well as CD4-CD8+ T Helper Cell Lines Augment the Production of Idiotypes Shared by Pathogenic Anti-DNA Autoantibodies in the NZB × SWR Model of Lupus Nephritis

Continued on page 4
Continued from page 3

D. G. Remick, S. L. Kunkel, G. J. Higashi, and J. C. Hiserodt
E. Bonfa, R. Llovet, and K. Elkon
M. Kannagi, L. V. Chalifoux, C. I. Lord, and N. L. Letvia

2225 Suppression of Natural Killer Cytolytic Activity in Mice undergoing Pulmonary Granulomatous Inflammation
2231 Immunoblot Analysis of IgG Subclasses of Multiple Lupus Autoantibodies
2237 Suppression of Simian Immunodeficiency Virus Replication In Vitro by CD8+ Lymphocytes

Cytokines • MEDIATORS • REGULATORY MOLECULES

J. Shaw, K. Meerovitch, R. C. Bleackley, and V. Paetkau
C. M. Rusk, M. P. Necper, L.-M. Kuo, R. M. Kutny, and R. J. Robb
R. F. Mortensen, J. Shapiro, B.-F. Lin, S. Douches, and R. Neta
M. J. Fenton, M. W. Vermeulen, B. D. Clark, A. C. Webb, and P. E. Auron
J. C. Ansel, T. A. Lugier, P. Perry, D. R. Roop, and J. D. Mountz
P. M. Morganelli and P. M. Guyre

2243 Mechanisms Regulating the Level of IL-2 mRNA in T Lymphocytes
2249 Structure-Function Relationships for the IL-2 Receptor System. V. Structure-Activity Analysis of Modified and Truncated Forms of the Tac Receptor Protein: Site-Specific Mutagenesis of Cysteine Residues
2260 Interaction of Recombinant IL-1 and Recombinant Tumor Necrosis Factor in the Induction of Mouse Acute Phase Proteins
2267 Human Pro-IL-1β Gene Expression in Monocytic Cells Is Regulated by Two Distinct Pathways
2274 The Expression and Modulation of IL-1α in Murine Keratinocytes
2279 Phosphorylation of Intracellular Precursors of Human IL-1
2288 Isolation and Characterization of an Expressible cDNA Encoding Human IL-3: Induction of IL-3 mRNA in Human T Cell Clones
2296 IFN-γ plus Glucocorticoids Stimulate the Expression of a Newly Identified Human Mononuclear Phagocyte-Specific Antigen
2305 Identification of a Novel Human B Cell Activation Antigen Involved in B Cell Growth Factor-Dependent Proliferation
2312 Transforming Growth Factor-β1 (TGF-β1) and Recombinant Human Tumor Necrosis Factor-α Reciprocally Regulate the Generation of Lymphokine-Activated Killer Cell Activity: Comparison Between Natural Porcine Platelet-Derived TGF-β1 and TGF-β2 and Recombinant Human TGF-β1

IMMUNOCHEMISTRY

A. Yoden, T. Moriymama, K. Inoue, and S. Inai
J. H. Hochman, Y. Shimizu, R. DeMars, and M. Edidin
C. Brashem-Stein, D. Nugent, and I. D. Bernstein

2317 The Role of the C9b Domain in the Binding of C9 Molecules to EAC1-8 Defined by Monoclonal Antibodies to C9
2322 Specific Associations of Fluorescent β2-Microglobulin with Cell Surfaces: The Affinity of Different H-2 and HLA Antigens for β2-Microglobulin
2330 Characterization of an Antigen Expressed on Activated Human T Cells and Platelets

Continued on page 5
### IMMUNOPHARMACOLOGY

<table>
<thead>
<tr>
<th>Authors</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>F. E. Maly, A. R. Cross, O. T. G. Jones, G. Wolf-Vorbeck, C. Walker, C. A. Dahinden, and A. L. De Weck</td>
<td>2334</td>
<td>The Superoxide Generating System of B Cell Lines: Structural Homology with the Phagocytic Oxidase and Triggering via Surface Ig</td>
</tr>
<tr>
<td>N. Lanir, P. S. Ciano, L. Van De Water, J. McDonagh, A. M. Dvorak, and H. F. Dvorak</td>
<td>2340</td>
<td>Macrophage Migration in Fibrin Gel Matrices. II. Effects of Clotting Factor XIII, Fibronectin, and Glycosaminoglycan Content on Cell Migration</td>
</tr>
<tr>
<td>R. S. Chapkin, S. D. Somers, and K. L. Erickson</td>
<td>2350</td>
<td>Inability of Murine Peritoneal Macrophages to Convert Linoleic Acid into Arachidonic Acid: Evidence of Chain Elongation</td>
</tr>
<tr>
<td>B. K. Wershil, T. Murakami, and S. J. Galli</td>
<td>2356</td>
<td>Mast Cell-Dependent Amplification of an Immunologically Nonspecific Inflammatory Response: Mast Cells Are Required for the Full Expression of Cutaneous Acute Inflammation Induced by Phorbol 12-Myristate 13-Acetate</td>
</tr>
<tr>
<td>W. Leng, C. G. Kuo, R. Qureshi, and B. A. Jakschik</td>
<td>2361</td>
<td>Role of Leukotrienes in Vascular Changes in the Rat Mesentery and Skin in Anaphylaxis</td>
</tr>
<tr>
<td>E. S. Schulman, M. C. McGettigan, T. J. Post, R. J. Viggers, and S. S. Shapiro</td>
<td>2369</td>
<td>Human Monocytes Generate Basophil Histamine-Releasing Activities</td>
</tr>
<tr>
<td>R. A. Swerlick, K. B. Yancey, and T. J. Lawley</td>
<td>2376</td>
<td>A Direct In Vivo Comparison of the Inflammatory Properties of Human C5a and C5a des Arg in Human Skin</td>
</tr>
<tr>
<td>J. L. Ambrus, Jr., C. H. Jurgensen, N. L. Witzel, R. A. Lewis, J. L. Butler, and A. S. Fauci</td>
<td>2382</td>
<td>Leukotriene C4 Produced by a Human T-T Hybridoma Suppresses Ig Production by Human Lymphocytes</td>
</tr>
<tr>
<td>F. H. Valone</td>
<td>2389</td>
<td>Identification of Platelet-Activating Factor Receptors in P388D1 Murine Macrophages</td>
</tr>
</tbody>
</table>

### MICROBIAL IMMUNOLOGY

<table>
<thead>
<tr>
<th>Authors</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Denis, A. Forget, M. Pelletier, and E. Skamene</td>
<td>2395</td>
<td>Pleiotropic Effects of the Bcg Gene. I. Antigen Presentation in Genetically Susceptible and Resistant Congenic Mouse Strains</td>
</tr>
<tr>
<td>J. C. Parra, M. S. Lima, G. Gazzinelli, and D. G. Colley</td>
<td>2401</td>
<td>Immune Responses during Human Schistosomiasis Mansoni. XV. Anti-Idiotypic T Cells Can Recognize and Respond to Anti-SEA Idiotypes Directly</td>
</tr>
<tr>
<td>A. A. Pan and D. McMahon-Pratt</td>
<td>2406</td>
<td>Monoclonal Antibodies Specific for the Amastigote Stage of Leishmania pifanoi. I. Characterization of Antigens Associated with Stage- and Species-Specific Determinants</td>
</tr>
<tr>
<td>L. A. Borenstein, J. D. Radolf, T. E. Fehniger, D. R. Bianco, J. N. Miller, and M. A. Lovett</td>
<td>2415</td>
<td>Immunization of Rabbits with Recombinant Treponema pallidum Surface Antigen 4D Alters the Course of Experimental Syphilis</td>
</tr>
</tbody>
</table>

### MOLECULAR BIOLOGY ● MOLECULAR GENETICS

<table>
<thead>
<tr>
<th>Authors</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. Sire, G. Chimini, J. Boreto, A. Toubert, B. Kahn-Perles, C. Layet, R. Sodoyer, F. Lemonnier, and B. Jordan</td>
<td>2422</td>
<td>Hybrid Genes between HLA-A2 and HLA-A3 Constructed by In Vivo Recombination Allow Mapping of HLA-A2 and HLA-A3 Polymorphic Antigenic Determinants</td>
</tr>
<tr>
<td>A. Harel-Bellan, D. K. Ferris, M. Vinocour, J. T. Holt, and W. L. Farrar</td>
<td>2431</td>
<td>Specific Inhibition of c-myc Protein Biosynthesis using an Antisense Synthetic Deoxy-Oligonucleotide in Human T Lymphocytes</td>
</tr>
<tr>
<td>H.-D. Jeong, J. L. Komisar, E. Kraig, and J. M. Teale</td>
<td>2436</td>
<td>Strain-Dependent Expression of V, Gene Families</td>
</tr>
</tbody>
</table>

Continued on page 6
A. J. Buckler, H. Vie, G. E. Sonenshein, and R. A. Miller

P. Merryman, P. Gregersen, S. Lee, J. Silver, A. Nuñez-Roldan, R. Crapper, and R. Winchester

Defective T Lymphocytes in Old Mice: Diminished Production of Mature c-myc RNA after Mitogen Exposure Not Attributable to Alterations in Transcription or RNA Stability

Nucleotide Sequence of a DRw10 β Chain cDNA Clone: Identity of the Third D Region with That of the DRw53 Allele of the β2 Locus and as the Probable Site Encoding a Polymorphic MHC Class II Epitope

T. Chou, A. E. Chang, and S. Shu

A. J. Infante, S. Boulware, and M. Cagle

L. Dell’Arciprete, M. Colombatti, R. Rappuoli, and G. Tridente


Letter to the Editor

Errata and Announcements

Author Index