### Contents

#### CELLULAR IMMUNOLOGY

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>L. A. Bristol, K. Sakaguchi, E. Appella, D. Doyle, and L. Takacs</td>
<td>367</td>
<td>Thymocyte Costimulating Antigen Is CD26 (Dipeptidyl-Peptidase IV): Costimulation of Granulocyte, Macrophage, and T Lineage Cell Proliferation Via CD26</td>
</tr>
<tr>
<td>J. A. Gross, E. Callas, and J. P. Allison</td>
<td>380</td>
<td>Identification and Distribution of the Costimulatory Receptor CD28 in the Mouse</td>
</tr>
<tr>
<td>D. M. Haverstick and L. S. Gray</td>
<td>389</td>
<td>Lymphocyte Adhesion Mediated by Lymphocyte Function-Associated Antigen-1. I. Long Term Augmentation by Transient Increases in Intracellular AMP</td>
</tr>
<tr>
<td>D. M. Haverstick and L. S. Gray</td>
<td>397</td>
<td>Lymphocyte Adhesion Mediated by Lymphocyte Function-Associated Antigen-1. II. Interaction between Phorbol Ester- and cAMP-Sensitive Pathways</td>
</tr>
<tr>
<td>K. Kikly and G. Dennert</td>
<td>403</td>
<td>Evidence for Extrathymic Development of TNK Cells: NK1+ CD3+ Cells Responsible for Acute Marrow Graft Rejection are Present in Thymus-Deficient Mice</td>
</tr>
<tr>
<td>S. Wadsworth, M. J. Halvorson, and J. E. Coligan</td>
<td>421</td>
<td>Developmentally Regulated Expression of the β4 Integrin on Immature Mouse Thymocytes</td>
</tr>
</tbody>
</table>

#### MOLECULAR AND STRUCTURAL IMMUNOLOGY

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. M. Drezen, P. Nouvel, C. Babinet, and D. Morello</td>
<td>429</td>
<td>Different Regulation of Class I Gene Expression in the Adult Mouse and during Development</td>
</tr>
<tr>
<td>G. A. Hollander, B. D. Luskey, D. A. Williams, and S. J. Burakoff</td>
<td>438</td>
<td>Functional Expression of Human CD8 in Fully Reconstituted Mice after Retroviral-Mediated Gene Transfer of Hemopoietic Stem Cells</td>
</tr>
<tr>
<td>E. Kottgen, B. Hell, A. Tage, and R. Tauber</td>
<td>445</td>
<td>Lectin Specificity and Binding Characteristics of Human C-Reactive Protein</td>
</tr>
<tr>
<td>M. Moser, R. Crameri, G. Menz, T. Schneider, T. Duder, C. V. Sen, M. Gmachl, K. Blaser, and M. Suter</td>
<td>454</td>
<td>Cloning and Expression of Recombinant Aspergillus.fumigatus Allergen 1a [rAsf1a] with IgE Binding and Type I Skin Test Activity</td>
</tr>
<tr>
<td>N. Otting, M. Kenter, P. van Weeren, M. Monker, and R. E. Bontrop</td>
<td>461</td>
<td>Mhc-DQB Repertoire Variation in Hominoid and Old World Primate Species</td>
</tr>
<tr>
<td>L. S. Reidl, C. M. Kinoshita, and L. A. Steiner</td>
<td>471</td>
<td>Wild Mice Express an Ig Vλ Gene that Differs from Any Vλ in BALB/c but Resembles a Human Vλ Subgroup</td>
</tr>
<tr>
<td>B. J. Underdown, I. Switzer, and G. D. F. Jackson</td>
<td>487</td>
<td>Rat Secretory Component Binds Poorly to Rodent IgM</td>
</tr>
<tr>
<td>L. Vidard, K. L. Rock, and B. Benaceraff</td>
<td>498</td>
<td>Diversity in MHC Class II Ovalbumin T Cell Epitopes Generated by Distinct Proteases</td>
</tr>
</tbody>
</table>

Continued on page 5
J. A. Villadangos, B. Galocha, D. López, V. Calvo, and J. A. López de Castro
R. Wasserman, Y. Ito, N. Galili, M. Yamada, B. A. Reichard, S. Shane, B. Lange, and G. Rovera

505 Role of Binding Pockets for Amino-Terminal Peptide Residues in HLA-B27 Allorecognition

511 The Pattern of Joining (J\textsubscript{mi}) Gene Usage in the Human IgH Chain is Established Predominantly at the B Precursor Cell Stage

**IMMUNE MODULATION**

N. D. Griggs, M. A. Jarpe, J. L. Pace, S. W. Russell, and H. M. Johnson

517 N-Terminus and C-Terminus of IFN-\gamma Are Binding Domains for Cloned Soluble IFN-\gamma Receptor

521 Transforming Growth Factor-\beta Inhibits Murine Immediate and Delayed Type Hypersensitivity

529 IFN-\gamma and IL-2 Cooperatively Activate NF\_{\kappa} B in Murine Peritoneal Macrophages

535 Insulin-Like Growth Factor-I Inhibits Apoptosis in IL-3-Dependent Hemopoietic Cells

**HOST DEFENSE**

P. F. Barnes, D. Chatterjee, J. S. Abrams, S. Lu, E. Wang, M. Yamamura, P. J. Brenna, and R. L. Modlin
S. P. Chang, H. L. Gibson, C. T. Lee-Ng, P. J. Barr, and G. S. N. Hui
R. F. Graziano and P. M. Allen
V. T. Heussler, M. Eichhorn, R. Reeves, N. S. Magnuson, R. O. Williams, and D. A. E. Dobbelare
K. Hiromatsu, G. Matsuzaki, Y. Tauchi, Y. Yoshikai, and K. Nomoto
K. Somersalo, J. Tarkkanen, M. Patarroyo, and E. Saksa

541 Cytokine Production Induced by Mycobacterium tuberculosis Lipoarabinomannan: Relationship to Chemical Structures

548 A Carboxyl-Terminal Fragment of Plasmodium falciparum gp195 Expressed by a Recombinant Baculovirus Induces Antibodies that Completely Inhibit Parasite Growth

556 Enhancing the Immunogenicity of a Permissive Binding T Cell Epitope Derived from the Simian Immunodeficiency Virus-Encoded Negative Regulatory Factor

562 Constitutive IL-2 mRNA Expression in Lymphocytes Infected with the Intracellular Parasite Theileria parva

568 Sequential Analysis of T Cells in the Liver during Murine Listerial Infection

574 Digestion of Histoplasma capsulatum Yeasts by Human Macrophages

581 The Effect of the Cmv-1 Resistance Gene, Which Is Linked to the Natural Killer Cell Gene Complex, Is Mediated by Natural Killer Cells

590 Involvement of \(\beta_2\)-Integrins in the Migration of Human Natural Killer Cells

**INFLAMMATION**


599 Human Recombinant c-kit Receptor Ligand, rhSCF, Induces Mediator Release from Human Cutaneous Mast Cells and Enhances IgE, Dependent Mediator Release from Both Skin Mast Cells and Peripheral Blood Basophils

Continued on page 7
C5a Reduces Formyl Peptide-Induced Actin Polymerization and Phosphatidylinositol[3,4,5]trisphosphate Formation, but not Phosphatidylinositol[4,5]bisphosphate Hydrolysis and Superoxide Production, in Human Neutrophils

Adherence of Rat Basophilic Leukemia (RBL-2H3) Cells to Fibronectin-Coated Surfaces Enhances Secretion

Calcium Rather Than Protein Kinase C Is the Major Factor to Activate Phospholipase D in FMLP-Stimulated Rabbit Peritoneal Neutrophils: Possible Involvement of Calmodulin/Myosin L Chain Kinase Pathway

Release of Granule Proteins from Eosinophils Cultured with IL-5

"RANTES," a Monocyte and T Lymphocyte Chemotactic Cytokine, Releases Histamine from Human Basophils

Eosinophil Granule Cationic Proteins Regulate Complement. I. Activity on the Alternative Pathway

Two Major Groups of Neutralizing Anti-gp120 Antibodies Exist in HIV-Infected Individuals: Evidence for Epitope Diversity around the CD4 Attachment Site

Soluble Forms of CD40 Inhibit Biologic Responses of Human B Cells

Human Myoblasts as Antigen-Presenting Cells

Evidence for the Expression of Non-HLA-A, -B, -C Class I Genes in the Human Fetal Liver

Cocaine Amplifies HIV-1 Replication in Cytomegalovirus-Stimulated Peripheral Blood Mononuclear Cell Cocultures

Lymphocyte Development of Adherence and Motility in Extracellular Matrix

CD34+ Bone Marrow Cells Are Infected with HIV in a Subset of Seropositive Individuals

Regulation of Vascular Cell Adhesion Molecule 1 on Human Dermal Microvascular Endothelial Cells

Drug-Specific T Cells Derived from Patients with Drug-Induced Allergic Hepatitis

Use of Human Universally Antigenic Tetanus Toxin T Cell Epitopes as Carriers for Human Vaccination

Production of Monocyte Chemoattractant Protein-1 by Inflamed Synovial Tissue and Cultured Synovocytes

Simian Immunodeficiency Virus-Specific Cytotoxic T Lymphocytes Are Present in the AIDS-Associated Skin Rash in Rhesus Monkeys

A Novel Cell-Surface Molecule Expressed by Human Interdigitating Reticulum Cells, Langerhans Cells, and Activated Lymphocytes Is a New Member of the Ig Superfamily