This information is current as of April 19, 2017.
**Contents**

**CELLULAR IMMUNOLOGY**

J. C. C. Chang, L. Zhang, T. L. Edgerton, and A. M. Kaplan

S. Diment

A. J. Henderson, A. Johnson, and K. Dorshkind


V. K. Kuchroo, J. K. Steele, R. M. O'Hara, Jr., S. Jayaraman, P. Selvaraj, E. Greenfield, R. T. Kubo, and M. E. Dorf

D. S. Lingk, M. A. Chan, and E. W. Gelfand

M. Ogasawara, S. Haraguchi, J. Cianciolo, M. Mitani, R. A. Good, and N. K. Day

J. Rhodes

A. Rivas, J. Koide, R. Laus, and E. G. Engleman

D. H. Ryan, B. L. Nuccie, C. N. Abboud, and J. L. Liesveld

P. Tan, C. Anasetti, P. J. Martin, and J. A. Hansen

S. E. Ulrich, B. W. McIntyre, and J. M. Rivas

M. Waer, V. Palathumpat, H. Sobis, and M. Vandeputte

Y. Yoshikai, M. Ogimoto, G. Matsuzaki, and K. Nomoto

---

409 Heterogeneity in Direct Cytotoxic Function of L3T4 T Cells: TH1 Clones Express Higher Cytotoxic Activity to Antigen-Presenting Cells than TH2 Clones

417 Different Roles for Thiol and Aspartyl Proteases in Antigen Presentation of Ovalbumin

423 Functional Characterization of Two Stromal Cell Lines That Support B Lymphopoiesis

429 Monoclonal Anti-CD23 Antibodies Induce a Rise [Ca^{2+}], and Polyphosphoinositide Hydrolysis in Human Activated B Cells: Involvement of a Gp Protein

438 Relationships between Antigen-Specific Helper and Inducer Suppressor T Cell Hybridomas

449 Increased Cyclic Adenosine Monophosphate Levels Block Progression but Not Initiation of Human T Cell Proliferation

456 Inhibition of Murine Cytotoxic T Lymphocyte Activity by a Synthetic Retroviral Peptide and Abrogation of This Activity by IL

463 Erythrocyte Rosettes Provide an Analogue for Schiff Base Formation in Specific T Cell Activation

470 Alloantigen-Specific Cytotoxic Clones Bearing the \( \alpha, \beta \) T Cell Antigen Receptor but Not CD4 or CD8 Molecules

477 Maturation-Dependent Adhesion of Human B Cell Precursors to the Bone Marrow Microenvironment

485 Alloantigen-Specific T Suppressor-Inducer and T Suppressor-Effecter Cells Can Be Activated Despite Blocking the IL-2 Receptor

489 Suppression of the Immune Response to Alloantigen by Factors Released from Ultraviolet-Irradiated Keratinocytes

499 Induction of Transplantation Tolerance in Mice across Major Histocompatibility Barrier by Using Allogeneic Thymus Transplantation and Total Lymphoid Irradiation

505 Bone Marrow-Derived Cells Are Essential for Intrathymic Deletion of Self-Reactive T Cells in Both the Host- and Donor-Derived Thymocytes of Fully Allogeneic Bone Marrow Chimeras

---

**CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY**

H. Beekhuizen, A. J. Corse-van Tilburg, and R. van Furth

G. Chiocchia, M.-C. Boissier, M.-C. Rontzier, D. Herbage, and C. Fournier

A. D. Hess, A. C. Fischer, and W. E. Beschorner

S. Kotake, B. Wiggert, X.-Y. Zhang, T. M. Redmond, G. J. Chader, and I. Gery

---

510 Characterization of Monocyte Adherence to Human Macrovascular and Microvascular Endothelial Cells

519 T Cell Regulation of Collagen-Induced Arthritis in Mice. I. Isolation of Type II Collagen-Reactive T Cell Hybridomas with Specific Cytotoxic Function

526 Effector Mechanisms in Cyclosporine A-Induced Syngeneic Graft-versus-Host Disease: Role of CD4+ and CD8+ T Lymphocyte Subsets

534 Stimulation in Vitro of Lymphocytes for Induction of Uveoretinitis without any Significant Proliferation

Continued on page 4
Continued from page 3

D. L. Perkins, R. M. Glauser, C. A. Mahon, J. Michaelson, and A. Marshak-Rothstein

540 Fine Specificity and HLA Restriction of Myelin Basic Protein-Specific Cytotoxic T Cell Lines from Multiple Sclerosis Patients and Healthy Individuals

549 Evidence for an Intrinsic B Cell Defect in lpr/lpr Mice Apparent in Neonatal Chimeras

---

### CYTOKINES • MEDIATORS • REGULATORY MOLECULES

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>556</td>
<td>Reduction in Tumor Necrosis Factor Binding and Cytotoxicity by Hydrogen Peroxide</td>
</tr>
<tr>
<td>557</td>
<td>Granulocyte-Macrophage Colony-Stimulating Factor and Other Cytokines Regulate Surface Expression of the Leukocyte Adhesion Molecule-1 on Human Neutrophils, Monocytes, and Their Precursors</td>
</tr>
<tr>
<td>558</td>
<td>Human Granulocyte-Macrophage Colony-Stimulating Factor Plus Phorbol Myristate Acetate Stimulate a Promyelocytic Cell Line to Produce an IL-1 Inhibitor</td>
</tr>
<tr>
<td>559</td>
<td>Cytokine Regulation of C3 and C5 Production by the Human Type II Pneumocyte Cell Line, A549</td>
</tr>
<tr>
<td>560</td>
<td>The IL-2 Receptor β-Chain (p70): Ligand Binding Ability of the cDNA-Encoding Membrane and Secreted Forms</td>
</tr>
<tr>
<td>561</td>
<td>Structure-Function Analysis of Human IL-6: Epitope Mapping of Neutralizing Monoclonal Antibodies with Amino- and Carboxyl-Terminal Deletion Mutants</td>
</tr>
<tr>
<td>562</td>
<td>Differential Regulation of IL-1 Production in Human Monocytes by IFN-γ and IL-4</td>
</tr>
<tr>
<td>563</td>
<td>Granulocyte-Macrophage Colony-Stimulating Factor and Other Cytokines Regulate Surface Expression of the Leukocyte Adhesion Molecule-1 on Human Neutrophils, Monocytes, and Their Precursors</td>
</tr>
<tr>
<td>564</td>
<td>Human Granulocyte-Macrophage Colony-Stimulating Factor Plus Phorbol Myristate Acetate Stimulate a Promyelocytic Cell Line to Produce an IL-1 Inhibitor</td>
</tr>
<tr>
<td>565</td>
<td>Cytokine Regulation of C3 and C5 Production by the Human Type II Pneumocyte Cell Line, A549</td>
</tr>
<tr>
<td>566</td>
<td>The IL-2 Receptor β-Chain (p70): Ligand Binding Ability of the cDNA-Encoding Membrane and Secreted Forms</td>
</tr>
</tbody>
</table>

### IMMUNOCHEMISTRY

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>616</td>
<td>Vα Gene Usage, Idiotype Expression, and Antigen Binding among Clones Expressing the VαX24 Gene Family Derived from Naive and Anti-Idiotypic Immune BALB/c Mice</td>
</tr>
<tr>
<td>617</td>
<td>Multiple Signal Messengers Generated by Terminal Complement Complexes and Their Role in Terminal Complement Complex Elimination</td>
</tr>
<tr>
<td>618</td>
<td>Mapping of Multiple B Cell Epitopes on the 70-Kilodalton Autoantigen of the U1 Ribonucleoprotein Complex</td>
</tr>
<tr>
<td>619</td>
<td>Epitope Mapping of Recombinant HeLa SmB and B′ Peptides Obtained by the Polymerase Chain Reaction</td>
</tr>
<tr>
<td>620</td>
<td>Restricted Antibody Diversity to Major Viral Proteins of Herpes Simplex Virus in Individual Syngeneic Mice</td>
</tr>
<tr>
<td>621</td>
<td>Complement Activation Induced by Human C-Reactive Protein in Mildly Acidic Conditions</td>
</tr>
<tr>
<td>622</td>
<td>Functional Properties of the Asialo-Fifth Component of Human Complement</td>
</tr>
</tbody>
</table>

---

Continued on page 5
Continued from page 4

**IMMUNOPHARMACOLOGY**

D. C. Altieri, W. L. Wiltse, and T. S. Edgington  
M. J. McCabe, Jr. and D. A. Lawrence  
T. S. Rogers, S. J. Corey, and P. M. Rosoff  
M. L. Tiku, J. B. Liesch, and F. M. Robertson  

**MICROBIAL IMMUNOLOGY**

F. M. Griffin, Jr. and P. J. Mullinax  
R. M. Johnson, D. W. Lancki, F. W. Fitch, and P. G. Spear  
G. R. Klimpel, R. Shaban, and D. W. Niesel  
T. P. Leary and G. A. Splitter  
T. Yamashita and D. L. Boros  

**MOLECULAR BIOLOGY * MOLECULAR GENETICS**

A. J. Buckler, T. L. Rothstein, and G. E. Sonenshein  
A. Caputo, D. E. F. Sauer, and P. B. Rowe  
R. M. Feddersen, D. J. Martin, and B. G. Van Ness  

**TUMOR IMMUNOLOGY**

L. H. Mason, B. J. Mathieson, and J. R. Ortaldo  
S. Raychaudhuri, C.-Y. Kang, S.-V. Kaveri, T. Kieber-Emmons, and H. Köhler  
M. S. Roth, G. J. Weiner, E. A. Allen, V. H. Terry, C. E. Harning, M. Boehnke, M. S. Kaminiski, and D. Ginsburg  

Author Index