Contents

CELLULAR IMMUNOLOGY

B. Agrawal, M. Manickasundari, E. Fraga, and B. Singh
J. S. Bryson, B. E. Caywood, and A. M. Kaplan
B. M. C. Chan, J. G. P. Wong, A. Rao, and M. E. Hemler
J. Freire-Moar, H. Cherwinski, F. Hwang, J. Ransom, and D. Webb
G. Goodman-Snitkoff, M. F. Good, J. A. Berzofsky, and R. J. Mannino
C. Jamieson, P. G. McCaffrey, A. Rao, and R. Sen
J. M. McCormack, D. Sun, and W. S. Walker
B. P. Sleckman, Y. Rosenstei, V. E. Igras, J. L. Greenstein, and S. J. Burakoff
L. E. Wrenshall, F. B. Cerra, A. Carlson, F. H. Bach, and J. L. Platt
C. M. Zacharchuk, M. Mercép, C. H. June, A. M. Weissman, and J. D. Ashwell
T. Zhou, H. Bluethmann, J. Eldridge, M. Brochhaus, K. Berry, and J. D. Mountz

383 T Cells that Recognize Peptide Sequences of Self MHC Class II Molecules Exist in Syngeneic Mice
391 Relationship of Cyclosporine A-Mediated Inhibition of Clonal Deletion and Development of Syngeneic Graft-versus-Host Disease
398 T Cell Receptor-Dependent, Antigen-Specific Stimulation of a Murine T Cell Clone Induces a Transient, VLA Protein-Mediated Binding to Extracellular Matrix
405 Expression of Protein Kinase C Isoenzymes in Thymocyte Subpopulations and Their Differential Regulation
410 Role of Intrastructural/Intermolecular Help in Immunization with Peptide-Phospholipid Complexes
416 Physiologic Activation of T Cells via the T Cell Receptor Induces NF-κB
421 A Subset of Mouse Splenic Macrophages Can Constitutively Present Alloantigen Directly to CD8+ T Cells
428 Glycolipid-Anchored Form of CD4 Increases Intercellular Adhesion but Is Unable to Enhance T Cell Activation
432 T Helper Cell-Dependent, Microbial Superantigen-induced Murine B Cell Activation: Polyclonal and Antigen-Specific Antibody Responses
439 In Vivo Kinetics and Characterization of IFN-γ-Producing Cells during a Thymus-Independent Immune Response
447 Evidence that Thymocyte-Activating Molecule Is Mouse CD26 (Dipeptidyl Peptidase IV)
455 Regulation of Murine Splenocyte Responses by Heparan Sulfate
460 Variations in Thymocyte Susceptibility to Clonal Deletion during Ontogeny: Implications for Neonatal Tolerance
466 Abnormal Thymocyte Development and Production of Autoreactive T Cells in T Cell Receptor Transgenic Autoimmune Mice

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

J. Corado, F. Mazerolles, F. Le Deist, C. Barbat, M. Kaczorek, and A. Fischer
S. P. Fling, L. A. Donoso, and D. S. Gregerson
D. Israel-Biet, J. Cadranel, K. Beldjord, J.-M. Andrieu, A. Jeffrey, and F. Even

475 Inhibition of CD4+ T Cell Activation and Adhesion by Peptides Derived from the gp160
483 In Vitro Unresponsiveness to Autologous Sequences of the Immunopathogenic Autoantigen, S-Antigen
490 Tumor Necrosis Factor Production in HIV-Seropositive Subjects: Relationship with Lung Opportunistic Infections and HIV Expression in Alveolar Macrophages

Continued on page 4
N. Madi, G. Steiger, J. Estreicher, and J. A. Schifferli
R. M. McCarron, M. Racke, M. Spatz, and D. E. McFarlin
X. Sun and W. Hsueh
S. Takahashi, M. Nose, J. Sasaki, T. Yamamoto, and M. Kyogoku

Defective Immune Adherence and Elimination of Hepatitis B Surface Antigen/Antibody Complexes in Patients with Mixed Essential Cryoglobulinemia Type II

Cerebral Vascular Endothelial Cells Are Effective Targets for In Vitro Lysis by Encephalitogenic T Lymphocytes

Platelet-Activating Factor Produces Shock, in Vivo Complement Activation, and Tissue Injury in Mice

IgG3 Production in MRL/1pr Mice Is Responsible for Development of Lupus Nephritis

---

**CYTOKINES • MEDIATORS • REGULATORY MOLECULES**

A. Anisowicz, M. Messineo, S. W. Lee, and R. Sager
W.-F. Chen and A. Zlotnik
L. P. Fernando, R. D. LeClaire, S. Obici, P. J. Zavadny, S. W. Russell, and J. L. Pace
T. Kawabe, N. Maekawa, Y. Maeda, M. Hosoda, and J. Yodoi
R. A. Montgomery and M. J. Dallman
P. J. Morrissey, P. Conlon, K. Charrier, S. Braddy, A. Alpert, D. Williams, A. E. Namen, and D. Mochizuki

An NF-κB-Like Transcription Factor Mediates IL-1/TNF-α Induction of gro in Human Fibroblasts

IL-10: A Novel Cytotoxic T Cell Differentiation Factor

Regulation of Alloreactivity in Vivo by IL-4 and the Soluble IL-4 Receptor

Stable Expression of a Secreted Form of the Mouse IFN-γ Receptor in Rat Cells

Induction of FcγRII/CD23 on Phytohemagglutinin-Activated Human Peripheral Blood T Lymphocytes. I. Enhancement by IL-2 and IL-4

Analysis of Cytokine Gene Expression during Fetal Thymic Ontogeny Using the Polymerase Chain Reaction

Administration of IL-7 to Normal Mice Stimulates B-Lymphopoiesis and Peripheral Lymphadenopathy

---

**IMMUNOCHEMISTRY**

J. Choppin, F. Martinon, F. Connan, E. Gomard, and J.-P. Levy
J. Choppin, F. Martinon, F. Connan, M. Pauchard, E. Gomard, and J.-P. Levy
T. Horiuchi, K. J. Macon, J. A. Engler, and J. E. Volanakis
K. R. Kall, J. M. Ahearn, and D. T. Fearon
W. T. Schaiff, K. A. Hruska Jr., C. Bono, S. Shuman, and B. D. Schwartz

HLA-Binding Regions of HIV-1 Proteins. I. Detection of Seven HLA Binding Regions in the HIV-1 Nef Protein

HLA-Binding Regions of HIV-1 Proteins. II. A Systematic Study of Viral Proteins

Site-Directed Mutagenesis of the Region Around Cys-241 of Complement Component C2: Evidence for a C4b Binding Site

Interaction of iC3b with Recombinant Isotypic and Chimeric Forms of CR2

Induction of Intracellular Ca²⁺ Mobilization and Cytotoxicity by Hybrid Mouse Monoclonal Antibodies: FcγRII Regulation of FcγRII-Triggered Functions or Signaling?

Invariant Chain Influences Post-Translational Processing of HLA-DR Molecules

Continued on page 5
IMMUNOPHARMACOLOGY


P. Dri, R. Cramer, P. Spessotto, M. Romano, and P. Patriarca 613 Eosinophil Activation on Biologic Surfaces: Production of O₂ in Response to Physiologic Soluble Stimuli is Differentially Modulated by Extracellular Matrix Components and Endothelial Cells

M. R. Lennartz and E. J. Brown 621 Arachidonic Acid Is Essential for IgG Fc Receptor-Mediated Phagocytosis by Human Monocytes


R. A. Sater, L. D. Cripe, J. D. Taylor, and J. E. Niedel 633 Complex Regulation of Macrophage Colony Stimulating Factor in the HL-60 Promyelocytic Cell Line

K. M. Skubitz, J. A. Warner, and F. H. Chilton 638 Characterization of Human Neutrophil Ecto-Protein Kinase Activity Released by Kinase Substrates

S. J. Suchard, L. A. Boxer, and V. M. Dixit 651 Activation of Human Neutrophils Increases Thrombospondin Receptor Expression

M. V. White, Y. Igarashi, J. D. Lundgren, J. Shelhamer, and M. Kaliner 660 Differential Synthesis of 1-Acyl-2-Acetyl-sn-Glycerol-3-Phosphocholine and Platelet-Activating Factor by Human Inflammatory Cells

667 Hydrocortisone Inhibits Rat Basophilic Leukemia Cell Mediator Release Induced by Neutrophil-Derived Histamine Releasing Activity as Well as Anti-IgE

MICROBIAL IMMUNOLOGY

J. E. Allen, R. M. Locksley, and R. S. Stephens 674 A Single Peptide from the Major Outer Membrane Protein of Chlamydia trachomatis Elicits T Cell Help for the Production of Antibodies to Protective Determinants

C. L. Karp, S. J. Turco, and D. L. Sacks 680 Lipophosphoglycan Masks Recognition of the Leishmania donovani Promastigote Surface by Human Kala-Azar Serum

P. Lusson, M. Mainati, A. De Maria, C. Balotta, S. E. De Rocco, P. D. Markham, and R. C. Gallo 685 Productive Infection of CD4⁺ and CD8⁺ Mature Human T Cell Populations and Clones by Human Herpesvirus 6: Transcriptional Down-Regulation of CD3

MOLECULAR BIOLOGY • MOLECULAR GENETICS


N. Terada, J. J. Lucas, and E. W. Gelfand 698 Differential Regulation of the Tumor Suppressor Molecules, Retinoblastoma Susceptibility Gene Product (Rb) and p53, during Cell Cycle Progression of Normal Human T Cells

B. Tycko, H. Coyle, and J. Sklar 705 Chimeric γ-δ Signal Joints: Implications for the Mechanism and Regulation of T Cell Receptor Gene Rearrangement

TUMOR IMMUNOLOGY


Continued on page 6
Continued from page 5

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>H. Yoshizawa, A. E. Chang, and S. Shu</td>
<td>729</td>
<td>Specific Adoptive Immunotherapy Mediated by Tumor-Draining Lymph Node Cells Sequentially Activated with Anti-CD3 and IL-2</td>
</tr>
</tbody>
</table>

Author Index