Contents

COMMUNICATION


CELLULAR IMMUNOLOGY

W. Newman, V. A. Fanaiing, P. E. Rao, E. F. Westberg, and E. Patten 3702 Early Events in Lymphocyte Activation as Defined by Three New Monoclonal Antibodies
R. Y. M. Poon, J. A. Kapp, C. W. Pierce, and C. M. Sorensen 3709 Characterization of Two Monoclonal Idiotype-Binding Suppressor T Cell Factors Specific for the Antibody Response to L-Glutamic Acid\(^{60-65}\)-L-Alanine\(^{66-71}\)-Tyrosine\(^{93-98}\)(GAT)
P. B. Hausman, H. Kawasaki, R. M. O'Hara, M. Minami, D. H. Sherr, and M. E. Dorf 3717 The Role of Adherent Accessory Cells in the Generation of Effector Suppressor T Cells
P. A. Bretscher 3726 A Cascade of T-T Interactions, Mediated by the Linked Recognition of Antigen, in the Induction of T Cells Able to Help Delayed-Type Hypersensitivity Responses
R. C. Budd, J.-C. Cerrottini, and H. R. MacDonald 3734 Cultured ltyt-2\(^{-}\) L3T4\(^{+}\) T Lymphocytes from Normal Thymus or lpr Mice Express a Broad Spectrum of Cytolytic Activity
G. C. Koo, F. J. Dumont, M. Tutt, J. Hackett, Jr., and V. Kumar 3742 The NK-1.1\(^{-}\) Mouse: A Model to Study Differentiation of Murine NK Cells
S. Chipluakar, J. Langborne, and S. H. E. Kauffman 3748 Stimulation of B Cell Growth and Differentiation by Murine Recombinant Interleukin 1
M. G. Goodman 3753 Regulation of B Cell Activation by Prostaglandins: Cell Cycle-Specific Effects on Activation by Anti-Immunoglobulin and 8-Mercaptothioureasine

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

L. Davis, R. Vida, and P. E. Lipsky 3758 Regulation of Human T Lymphocyte Mitogenesis by Antibodies to CD3
A. F. Tilkin, M. Bagot, M. Kayibanda, J. P. Vernant, and J. P. Levy 3772 A Human Autoreactive T Cell Line Specific for Minor Histocompatibility Antigen[s] Isolated from a Bone Marrow-Grafted Patient
D. E. Lewis, B. E. Gilbert, and V. Knight 3777 Influenza Virus Infection Induces Functional Alterations in Peripheral Blood Lymphocytes
I. Gerling, S. Beekkeskov, and A. Lermark 3782 Islet Cell and 64K Autoantibodies Are Associated with Plasma IgG in Newly Diagnosed Insulin-Dependent Diabetic Children
H. M. Sikorska 3786 Anti-Thyroglobulin Anti-Idiotype Antibodies in Sera of Patients with Hashimoto’s Thyroiditis and Graves’ Disease

Continued on page 4
Continued from page 3

B. S. Darwin, J. P. Grudier, C. L. Klatt, and D. S. Pisetsky
T. Sakane, S. Takada, N. Suzuki, T. Tsuchida, Y. Murakawa, Y. Ueda, and T. Tsunematsu
H. Schluesener, C. Brunner, K. Vass, and H. Lassmann
C. Linington, A. Mann, S. Izumo, K. Uyemura, M. Suzuki, R. Meyermann, and H. Wekerle
M. Endoh, T. Tabira, T. Kunishita, K. Sakai, T. Yamamura, and T. Taketomi

3796 IgG Antinuclear Antibodies with Cross- Reactive Rheumatoid Factor Activity
3802 Immunolocalization and Partial Characterization of a Nucleolar Autoantigen (PM-Scl) Associated with Polymyositis/Schleroderma Overlap Syndromes
3809 Deficiencies in Suppressor T Cell Activity Seen in Patients with Active Systemic Lupus Erythematosus Are due to the Dilution of Normally Functioning Suppressor T Cells by Nonsuppressor T Cells
3814 Therapy of Rat Autoimmune Disease by a Monoclonal Antibody Specific for T Lymphoblasts
3821 Monoclonal Anti-DNA IgMk in Neuropathy Binds to Myelin and to a Conformational Epitope Formed by Phosphatidic Acid and Gangliosides
3826 Induction of Experimental Allergic Neuritis in the BN Rat: P2 Protein-Specific T Cells Overcome Resistance to Actively Induced Disease
3832 DM-20, A Proteolipid Apoprotein, Is an Encephalitogen of Acute and Relapsing Autoimmune Encephalomyelitis in Mice

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

W. L. Farrar, M. C. Birchenall-Sparks, and H. B. Young
L. London, B. Perussia, and G. Trinchieri
T. DeFrance, J.-P. Aubry, B. Vandervliet, and J. Banchereau
C. T. Weaver and E. R. Unanue

3836 Interleukin 2 Induction of Interferon-γ mRNA Synthesis
3841 The Released Interleukin 2 Receptor Binds Interleukin 2 Efficiently
3845 Induction of Proliferation In Vitro of Resting Human Natural Killer Cells: IL-2 Induces Into Cell Cycle Most Peripheral Blood NK Cells, But Only a Minor Subset of Low Density T Cells
3855 Transforming Growth Factor β Is an Important Immunomodulatory Protein for Human B Lymphocytes
3861 Human Interferon-γ Acts as a B Cell Growth Factor in the Anti-IgM Antibody Co-Stimulatory Assay But Has No Direct B Cell Differentiation Activity
3868 T Cell Induction of Membrane IL-1 on Macrophages

IMMUNOCHEMISTRY

S. Kure and O. Yoshie
S. A. Goyert, E. M. Ferrero, S. V. Seremetis, R. J. Winchester, J. Silver, and A. C. Matison

3874 Identification of Monoclonal Antibodies Specific for the T Cell Receptor Complex by Fc Receptor-Mediated CTL Lysis
3881 Analysis of Hybrid H-2D and L Antigens with Reciprocally Mismatched Aminoterminal Domains: Functional T Cell Recognition Requires Preservation of Fine Structural Determinants
3891 Major Histocompatibility Complex-Encoded Class I Molecules Are Absent in Immunologically Competent Xenopus Before Metamorphosis
3900 A Syngeneic Monoclonal Antibody of Murine Meth-A Sarcoma (HepSS-1) Recognizes Heparan Sulfate Glycosaminoglycan (HS-GAG): Cell Density and Transformation Dependent Alteration in Cell Surface HS-GAG Defined by HepSS-1
3909 Biochemistry and Expression of Myelomonocytic Antigens

Continued on page 5
IMMUNOPHARMACOLOGY

C. S. Tripp. A. Wyche. E. R. Unanue. and P. Needleman
H. C. Yohe and J. L. Ryan

3915 The Functional Significance of the Regulation of Macrophage Ia Expression by Endogenous Arachidonate Metabolites in Vitro

3921 Ganglioside Expression in Macrophages from Endotoxin Responder and NonResponder Mice

3928 Bombesin in Human and Guinea Pig Alveolar Macrophages

3933 Characterization of Primate Bronchoalveolar Mast Cells. I. IgE-Dependent Release of Histamine, Leukotrienes, and Prostaglandins

3941 Characterization of Primate Bronchoalveolar Mast Cells. II. Inhibition of Histamine, LTC4, and FGD3 Release from Primate Bronchoalveolar Mast Cells and a Comparison with Rat Peritoneal Mast Cells

MICROBIAL IMMUNOLOGY


3946 IgM Antibodies Recognizing Carbohydrate Epitopes Shared between Schistosomula and Miracidia of Schistosoma mansoni that Block in Vitro Killing

3955 The Presence of Antibody in Mice Chronically Infected with Schistosoma mansoni which Blocks in Vitro Killings of Schistosomula

3959 Defective Vaccine-Induced Resistance to Schistosoma mansoni in P Strain Mice. III. Specificity of the Associated Defect in Cell-Mediated Immunity

3968 The Immune Response to Moloney Murine Leukemia Virus-Induced Tumors: Induction of Cytolytic T Lymphocytes Specific for Both Viral and Tumor-Associated Antigens

3973 Human and Murine Cytotoxic T Cells Specific to Respiratory Syncytial Virus Recognize the Viral Nucleoprotein (N), But Not the Major Glycoprotein (G), Expressed by Vaccinia Virus Recombinants

MOLECULAR BIOLOGY • MOLECULAR GENETICS

J. Stavnezer. A. Al-Katib. and B. Koziner

3978 Expression of Immunoglobulin \( \lambda \) Light Chain by the Promyelocytic Cell Line HL-60

C. E. Carmack and S. H. Pincus

3983 Variable Regions of Antibodies to Synthetic Polypeptides. II. Analysis of Variable Region Genes Encoding Antibodies Specific for (T,G)-A--L


3990 Chromosomal Location of the Genes Encoding Complement Components C5 and Factor H in the Mouse


3996 Differential Interaction of the C3b/C4b Receptor and MHC Class I with the Cytoskeleton of Human Neutrophils

B. K. Saha. Raziuddin. and S. E. Cullen

4004 Molecular Mapping of Murine I Region Recombinants. II. Crossing Over In the \( E_2 \) Gene Is Restricted to a 4.5 KB Stretch of DNA that Excludes the \( \beta 1 \) Exon

C. Kinnon. R. A. Diamond. and E. V. Rothenberg

4010 Activation of T Cell Antigen Receptor \( \alpha \)- and \( \beta \)-Chain Genes in the Thymus: Implications for the Lineages of Developing Cortical Thymocytes

Continued on page 6
Continued from page 5

**TUMOR IMMUNOLOGY**

L. J. Joseph, E. Levy, K. Ozato, J. Hochman, and G. M. Shearer

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>4016</td>
<td>Differential Lack of Class I H-2d Antigen Expression of Sublines of the BALB/c S49 T Cell Lymphoma</td>
</tr>
</tbody>
</table>

Errata 4021
Announcements 4021
Author Index 4022
Ad Hoc Reviewers 4023
Volume 137 Author Index 4027
Volume 137 Subject Index 4035