Contents

COMMUNICATIONS

R. C. Budd, J.-C. Cerottini, and H. R. MacDonald  
M. W. Makgoba, S. Shaw, E. A. Gugel, and M. E. Sanders  

3583 Selectively Increased Production of Interferon-γ by Subsets of Lyt-2+ and L3T4 T Cells Identified by Expression of PgP-1  
3587 Human T Cell Rosetting Is Mediated by LFA-3 on Autologous Erythrocytes

CELLULAR IMMUNOLOGY

E. S. Medlock, I. Goldschneider, D. L. Greiner, and L. Schultz  
T. Iwasaki, J. A. Hallam, L. J. Joseph, and G. M. Shearer  
C. L. Scribner, C. T. Hansen, D. M. Klinman, and A. D. Steinberg  
G. Migliorati, L. Cannarile, R. B. Herberman, A. Bartocci, E. R. Stanley, and C. Riccardi  
E. Houssaint  
R. R. Salup, B. J. Mathieson, and R. H. Wiltrout  
T. Kalland, H. Belfrage, P. Bhiladvala, and G. Hedlund  
D. W. Lancki, A. Weis, and F. W. Pitch  
J. M. Shell, M. J. Bevan, and L. Lefrancois  
P. J. Wood, P. G. Strome, and J. W. Streliein  
J. D. Levich, A. P. Signorella, G. Wittenberg, and W. O. Weigle  
M. J. Caulfield and D. Shaffer  
J. Knop, B. Taborski, and J. DeMaeyer-Guignard  

3590 Defective Lymphopoiesis in the Bone Marrow of Motheaten (me/me) and Viable Motheaten (me'/me') Mutant Mice. II. Description of a Microenvironmental Defect for the Generation of Terminal Deoxynucleotidyltransferase-Positive Bone Marrow Cells in Vitro  
3598 Functional T Cell Deficits after Bone Marrow Transplantation across Minor Histocompatibility Barriers: Effects of Graft-vs-Host Disease on Precursor Frequency of Reactive Cells  
3604 Antigen-Specific Protection against Graft-Vs-Host Induced Immune Deficiency  
3611 The Interaction of the xid and me Genes  
3618 Role of Interleukin 2 (IL 2) and Hemopoietin-1 (H-1) in the Generation of Mouse Natural Killer (NK) Cells from Primitive Bone Marrow Precursors  
3626 Cell Lineage Segregation during Bursa of Fabricius Ontogen  
3635 Precursor Phenotype of Lymphokine-Activated Killer Cells in the Mouse  
3640 Analysis of the Murine Lymphokine-Activated Killer (LAK) Cell Phenomenon: Dissection of Effectors and Progenitors into NK- and T-Like Cells  
3646 Requirements for Triggering of Lysis by Cytolytic T Lymphocyte Clones  
3654 Characterization of Dual-Reactive H-2Kb-Restricted Anti-Vesicular Stomatitus Virus and Alloreactive Cytotoxic T Cells  
3661 Characterization of Cytotoxic Cells in Mice Rendered Neonatally Tolerant of MHC Alloantigens: Evidence for Repertoire Modification  
3669 W3/25+ T Cells Mediate the Induction of Immunologic Unresponsiveness in Enhanced Rat Recipients of Cardiac Allografts  
3675 Macrophage Handling of a Tolerogen and the Role of IL 1 in Tolerance Induction in a Helper T Cell Clone in Vitro  
3680 Immunoregulation by Antigen/Antibody Complexes. I. Specific Immunosuppression Induced in Vivo with Immune Complexes Formed in Antibody Excess  
3684 Selective Inhibition of the Generation of T Suppressor Cells of Contact Sensitivity in Vitro by Interferon

Continued on page 4
Two Types of Murine Helper Cell Clone. II. Delayed-Type Hypersensitivity is Mediated by Th1 Clones

The Degree of CTL-Induced DNA Solubilization Is Not Determined by the Human Vs Mouse Origin of the Target Cell

The Enhancement of the Immune Response by Pain Stimulation in Mice. II. The Enhancement Effect on PFC Production via Sympathetic Nervous System in Vivo and in Vitro

Stimulation of Normal Inducer T Cell Clones with Antigen Presented by Purified Ia Molecules in Planar Lipid Membranes: Specific Induction of a Long-Lived State of Proliferative Nonresponsiveness

Antigen-Specific and Nonspecific Mitogenic Signals in the Activation of Human T Cell Clones

Infection with the Human Immunodeficiency Virus (HIV) Is Associated with an in Vivo Increase in B Lymphocyte Activation and Immaturity

Early Effects of HIV on CD4 Lymphocytes in Vivo

HTLV-III Neutralizing Antibody Development in Transfusion-Dependent Seropositive Patient with B-Thalassemia

Depletion of T-4+ Lymphocytes with Monoclonal Antibody Reactivates Toxoplasmosis in the Central Nervous System: A Model of Superinfection in AIDS

Cytokine Activity after Human Bone Marrow Transplantation: Production of Interferons by Peripheral Blood Mononuclear Cells from Recipients of HLA-Identical Sibling Bone Marrow Transplants

Immune Complexes Bind to Cultured Rat Glomerular Mesangial Cells to Stimulate Superoxide Release: Evidence for an Fc Receptor

Complement Dependence of Antibody-Induced Mesangial Cell Injury in the Rat

Lack of Expression of Histocompatibility Leukocyte Antigen Class I and Class II Molecules on the Human Oocyte

Autoimmune Effector Cells. IX. Inhibition of Adoptive Transfer of Autoimmune Encephalomyelitis with a Monoclonal Antibody Specific for Interleukin 2 Receptors

Class II-Restricted T Cell Responses in Thelmer's Murine Encephalomyelitis Virus (TMEV)-Induced Demyelinating Disease. I. Cross-specificity among TMEV Substrains and Related Picornaviruses, but Not Myelin Proteins

Cryoglobulinemia Induced by Monoclonal Immunoglobulin G Rheumatoid Factors Derived from Autoimmune MRL/MpJ-lpr/lpr Mice

Proteins Associated with B Lymphocyte Hyperactivity in New Zealand Black Mice

Continued on page 5
Continued from page 4

**CYTOKINES • MEDIATORS • REGULATORY MOLECULES**

- G. Lange-Wantzin, R. Rothlein, and R. B. Faanes
- H. M. Lederman, C. R. Brill, and P. A. Murphy
- J. A. Elias, K. Gustilo, W. Bader, and B. Friedlich
- W. W. Cruikshank, J. S. Bern, A. C. Theodore, J. Bernardo, and D. M. Center
- E. H. Sherr, L. D. Stein, H.-M. Dosch, and A. Saxon
- J.-F. Moreau, M. Bonneville, A. Godard, H. Gascan, V. Gruart, M. A. Moore, and J. P. Soulillou
- R. J. Johnson, J. D. Tamerius, and D. E. Chenoweth
- H. Martin, H.-P. Heinz, K. Reske, and M. Loos
- F. M. Strickland, J. T. Gleason, and J. Cerny
- J. R. Maleckar and L. A. Sherman
- J. Stiernberg, M. G. Low, L. Flaherty, and P. W. Kincade

**IMMUNOCHEMISTRY**

- A Polymorphism of the Complement Regulatory Protein MCP (Membrane Cofactor Protein or gp45–70)
- Identification of an Antigenic Epitope and Receptor Binding Domain of Human C5a
- Macrophage C1q: Characterization of a Membrane Form of C1q and of Multimers of C1q Subunits
- Reexpression of a T15 Idiotope on Variant Immunoglobulins after the Binding of Another Anti-Idiotype Antibody
- The Composition of the T Cell Receptor Repertoire in Nude Mice
- Removal of Lymphocyte Surface Molecules with Phosphatidylinositol-Specific Phospholipase C: Effects on Mitogen Responses and Evidence That ThB and Certain Qa Antigens Are Membrane-Anchored Vva Phosphatidylinositol
- Structural and Functional Characteristics of the CD3 (T3) Molecular Complex on Human Thymocytes

**IMMUNOPHARMACOLOGY**

- The Effect of LPS on Expression of the Early "Competence" Genes JE and KC in Murine Peritoneal Macrophages
- Lyosomal Enzyme Release from Human Monocytes by Particulate Activators Is Mediated by β-Glucan Inhibitable Receptors
- Suppression of Macrophage Cytostatic Activation by Serum Retinoids: A Possible Role for Transglutaminase

Continued on page 6
Continued from page 5

P. K. Peterson, B. Sharp, G. Gekker, C. Brummitt, and W. F. Keane  
O. W. Bjerrum, O. J. Bjerrum, and N. Borregaard  
J. H. Sisson, S. M. Prescott, T. M. McIntyre, and G. A. Zimmerman  
K. A. Fahey and A. L. DeFranco  

Opioid-Mediated Suppression of Cultured Peripheral Blood Mononuclear Cell Respiratory Burst Activity

β2-Microglobulin in Neutrophils: An Intrgranular Protein

Production of Platelet-Activating Factor by Stimulated Human Polymorphonuclear Leukocytes: Correlation of Synthesis with Release Functional Events, and Leukotriene B4 Metabolism

Effects of ADP-Ribosylation of GTP-Binding Protein by Pertussis Toxin on Immunoglobulin E-Dependent and -Independent Histamine Release from Mast Cells and Basophils

Cross-linking Membrane IgM Induces Production of Inositol Triphosphate and Inositol Tetrakisphosphate in WEHI-231 B Lymphoma Cells

MICROBIAL IMMUNOLOGY

S. Ohkawa, L. N. Martin, and B. J. Gormus  
T. B. Nutman, V. Kumaraswami, L. Pao, R. R. Narayanan, and E. A. Ottesen  
M. Andersson, A. McMichael, and P. A. Peterson  

Lepromin-Induced Lymphoproliferative Response of Experimental Leprosy Monkeys: Regulatory Role of Monocyte and Lymphocyte Subsets

Bacterial Invasion of Fibroblasts Induces Interferon Production

An Analysis of In Vitro B Cell Immune Responsiveness in Human Lymphatic Filariasis

Reduced Allorecognition of Adenovirus-2 Infected Cells

MOLECULAR BIOLOGY • MOLECULAR GENETICS

G. Goldberger, D. H. Bing, J. D. Sipe, M. Rits, and H. R. Colten  
F. Mami and T. J. Kindt  

Transcriptional Regulation of Genes Encoding the Acute-Phase Proteins CRP, SAA, and C3

Transcriptional Regulation of the Human Prointerleukin 1β Gene

Cl2 and Cl4 Immunoglobulin Light Chain Genes in a Wild-Derived Inbred Mouse Strain

Characterization of Specific HLA-DQα Allospecificities by Genomic, Biochemical, and Serologic Analysis

Receptor Diversity of Insulin-Specific T Cell Lines from C57BL (H-2b) Mice

TUMOR IMMUNOLOGY

P. W. Johnson, W. S. Trimble, N. Hozumi, and J. C. Roder  
S. Mescher, T. L. Whiteside, L. Moretta, and V. Von Fliedner  

Enhanced Lytic Susceptibility of Ha-ras Transformants after Oncogene Induction Is Specific to Activated NK Cells

Clonal and Frequency Analyses of Tumor-infiltrating T Lymphocytes from Human Solid Tumors

Antigen-Driven T Cell Clones Can Proliferate in Vivo, Eradicate Disseminated Leukemia, and Provide Specific Immunologic Memory

Continued on page 7
J. A. Titus, M. A. Garrido, T. T. Hecht, D. F. Winkler, J. R. Wunderlich, and D. M. Segal
M. A. Palladino, Jr., M. R. Shalaby, S. M. Kramer, B. L. Ferraiolo, R. A. Baughman, A. B. DeLeo, D. Crase, B. Marafino, B. B. Aggarwal, I. S. Figari, D. Liggitt, and J. S. Patton
G. Forni, M. Giovarelli, A. Santoni, A. Modesti, and M. Forni
M. Valtieri, D. Santolfi, D. Caracciolo, B. L. Kreider, S. W. Altmann, D. J. Tewardy, I. Gemperlein, F. Mavilio, B. Lange, and G. Rovera

Announcements 4051
Author Index 4053

Human T Cells Targeted with Anti-T3 Cross-linked to Antitumor Antibody Prevent Tumor Growth in Nude Mice

Characterization of the Antitumor Activities of Human Tumor Necrosis Factor-α and the Comparison with Other Cytokines: Induction of Tumor-Specific Immunity

Interleukin 2 Activated Tumor Inhibition in Vivo Depends on the Systemic Involvement of Host Immunoreactivity

Establishment and Characterization of an Undifferentiated Human T Leukemia Cell Line Which Requires Granulocyte-Macrophage Colony Stimulatory Factor for Growth