### COMMUNICATIONS

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Nowowiejski-Wieder, T. M. Aune, C. W. Pierce, and D. R. Webb</td>
<td>556</td>
<td>Cellfree Translation of the Lymphokine Soluble Immune Response Suppressor (SIRS) and Characterization of its mRNA</td>
</tr>
<tr>
<td>R. D. Granstein, A. Lowy, and M. I. Greene</td>
<td>563</td>
<td>Epidermal Antigen-Presenting Cells in Activation of Suppression: Identification of a New Functional Type of Ultraviolet Radiation-Resistant Epidermal Cell</td>
</tr>
<tr>
<td>S. Romagnani, R. Biagiotti, M. Giudizi, F. Almerigogna, A. Alessi, and M. Ricci</td>
<td>566</td>
<td>Protein A and Enterotoxin A: Two Distinct Staphylococcus Mitogens for Human T Lymphocytes</td>
</tr>
<tr>
<td>A. El-Hag and R. A. Clark</td>
<td>569</td>
<td>Intact Natural Killer Activity in Chronic Granulomatous Disease: Evidence against an Oxygen-Dependent Cytotoxic Mechanism</td>
</tr>
<tr>
<td>P. Katz, A. M. Zaytoun, J. H. Lee, Jr., and A. S. Fauci</td>
<td>571</td>
<td>In Vivo Epstein Barr Virus-Induced Augmentation of Natural Killer Cell Activity in the Chédiak-Higashi Syndrome</td>
</tr>
<tr>
<td>H. Maeda and R. Hirata</td>
<td>574</td>
<td>Molecular Identifications of HLA-DR4, Homozygous B Cell Lines</td>
</tr>
</tbody>
</table>

### CELLULAR IMMUNOLOGY

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>N. Shinohara and M. Kojima</td>
<td>578</td>
<td>Mouse Alloantibodies Capable of Blocking Cytotoxic T Cell Function. V. The Majority of I Region-Specific CTL Are Lyt-2' but Are Relatively Resistant to Anti-Lyt-2 Blocking</td>
</tr>
<tr>
<td>K. Shortman, A. Wilson, and R. Scollay</td>
<td>584</td>
<td>Loss of Specificity in Cytolytic T Lymphocyte Clones Obtained by Limit Dilution Culture of Lyt-2+ T Cells</td>
</tr>
<tr>
<td>H. Brill, Th. W. van den Akker, B. D. Molendijk-Lok, A. T. J. Bianchi, and R. Benner</td>
<td>599</td>
<td>Influence of 2'-Deoxyguanosine upon the Development of DTH Effector T Cells Suppressor T Cells In Vivo</td>
</tr>
<tr>
<td>H. R. MacDonald and R. K. Lees</td>
<td>605</td>
<td>Frequency and Specificity of Precursors of Interleukin 2-Producing Cells in Nude Mice</td>
</tr>
<tr>
<td>J. A. Brieva, S. Targan, and R. H. Stevens</td>
<td>611</td>
<td>NK and T Cell Subsets Regulate Antibody Production by Human In Vivo Antigen-Induced Lymphoblastoid B Cells</td>
</tr>
<tr>
<td>C. D. Wood and G. Moller</td>
<td>616</td>
<td>Influence of RU 41,740, a Glycoprotein Extract from Klebsiella pneumoniae, on the Murine Immune System. I. T-Independent Polyclonal B Cell Activation</td>
</tr>
<tr>
<td>G. C. Tsokos, M. Berger, and J. E. Balow</td>
<td>622</td>
<td>Modulation of Human B Cell Immunoglobulin Secretion by the C3b Component of Complement</td>
</tr>
<tr>
<td>N. E. Phillips and D. C. Parker</td>
<td>627</td>
<td>Cross-Linking of B Lymphocyte Fcy Receptors and Membrane Immunoglobulin Inhibits Anti-Immunoglobulin-Induced Blastogenesis</td>
</tr>
<tr>
<td>C. F. Scott, Jr., M. Tsuru-fuji, C. Y. Lu, R. Finberg, and M S Sy</td>
<td>633</td>
<td>Comparison of Antigen-Specific T Cell Responses in Autoimmune MRL/Mp-lpr/lpr and MRL/Mp-+/+ Mice</td>
</tr>
<tr>
<td>A. Lowy, P. M. Flood, A. Tominaga, J. A. Drebin, J. Dambraukas, R. K. Gershon, and M. I. Greene</td>
<td>640</td>
<td>Analysis of Hapten-Specific T Suppressor Factors: Genetic Restriction of TsF1 Activity Analyzed with Synthetic Hybrid Suppressor Molecules</td>
</tr>
</tbody>
</table>

*Continued on page 4*
Continued from page 3

N. K. Damle, N. Mahaghehpour, and E. G. Engieman

M. L. Wood, R. Gottschalk, and A. P. Monaco

Y. Weinstein, S. Ran, and S. Segal


H-G Rammensee, A. Juretic, Z. Nagy, and J. Klein

C. M. Astle and D. E. Harrison

644 Soluble Antigen-Primed Inducer T Cells Activate Antigen-Specific Suppressor T Cells in the Absence of Antigen-Pulsed Accessory Cells: Phenotypic Definition of Suppressor-Inducer and Suppressor-Effector Cells

651 Comparison of Immune Responsiveness in Mice after Single or Multiple Donor-Specific Transfusions

656 Sex-Associated Differences in the Regulation of Immune Responses Controlled by the MHC of the Mouse

662 Monoclonal Antibodies Specific for Ia Glycoproteins Raised by Immunization with Activated T Cells: Possible Role of T Cellbound Ia Antigens as Targets of Immunoregulatory T Cells

668 Class I Restricted Interaction between Suppressor and Cytolytic Cells in the Response to Minor Histocompatibility Antigens

673 Effects of Marrow Donor and Recipient Age on Immune Responses in Response to Minor Histocompatibility Antigens

675 The Interaction of Monoclonal Antibodies with MHC Class I Antigens on Mouse Spleen Cells. I. Analysis of the Mechanism of Binding

679 Epitope Mapping of the Human Surface Suppressor/Cytotoxic T Cell Molecule Tp32

685 A Novel Differentiation Antigen on Proliferating Murine Thymocytes Identified by a Rat Monoclonal Antibody

Continued on page 5
Reactivity of Antisera to Endogenous Primate Retrovirus with a Human T Cell Membrane Protein: Recognition of a Nonviral Glycoprotein by Antibodies Directed only against Carbohydrate Components

Elimination of Intestinally Absorbed Antigen into the Bile by IgA

The Mouse Heavy Chain Variable Region Marker, J606-GAC, Is not Restricted to Particular B Cell Isotypes or Subsets

Allotypic Specificities of Murine IgD and IgM Recognized by Monoclonal Antibodies

The Murine Lymphocyte Receptor for IgE. I. Isolation and Characterization of the Murine B Cell Fc, Receptor and Comparison with Fc, Receptors from Rat and Human

Activation of the First Component of Complement, C1r, by a Monoclonal Antibody Recognizing the C Chain of Clq

The Use of Monoclonal Antibodies as Probes of the Three-Dimensional Structure of Human Complement Factor D

Interferon and Natural Killing of Human Lymphoma Cell Lines after Induction of the Epstein-Barr Viral Cycle by Superinfection

T Cell-Derived Glucosteroid Response-Modifying Factor (GRMF): A Unique Lymphokine Made by Normal T Lymphocytes and a T Cell Hybridoma

Chemotactic Cytokines: The Role of Leukocytic Pyrogen and Epidermal Cell Thymocyte-Activating Factor in Neutrophil Chemotaxis

Regulation of TCGF Production in T Cells. II. Early Membrane Events after Anti-Thy-1 Binding by the TCGF-Producing T Lymphoma EL-4-G-12

Regulation of Interleukin 2 Receptor Expression on Murine Cytotoxic T Lymphocyte Clones

B Cell Maturation Factor: Effects on Various Cell Populations

Effect of Iron (III) in the Presence of Various Ligands on the Phagocytic and Metabolic Activity of Human Polymorphonuclear Leukocytes

Oxyn Metabolism in Cloned Macrophage Cell Lines: Glucose Dependence of Superoxide Production. Metabolic and Spectral Analysis

Prostaglandin E Is Required for the Augmentation of Procoagulant Activity of LPS-Stimulated Rabbit Alveolar Macrophages

Responsiveness of Autoimmune and Normal Mice to Nucleic Acid Antigens

Human Anti-Pneumococci Antibody Produced by an Epstein Barr Virus (EBV)-Immortalized Cell Line

Six Antigenic Determinants in the Surface Layer of the Archae-bacterium Methanococcus vannielii Revealed by Monoclonal Antibodies

Phenotypic Expression of Genetically-Controlled Natural Resistance to Mycobacterium bovis (BCG)

Killing of Leishmania tropica Amastigotes by Factors in Normal Human Serum

Antigens from Trichinella spiralis that Induce a Protective Response in the Mouse

Continued on page 6
Continued from page 5

F. Kierszenbaum and G. Sonnenfeld  
R. W. Braun, H. K. Teute, H. Kirchner, and K. Munk  
R. Tarchoan and D. L. Nelson

905  β-Interferon Inhibits Cell Infection by Trypanosoma cruzi

909  Inhibition of Entry of Plasmodium falciparum and P. vivax Sporozoites into Cultured Cells: An In Vitro Assay of Protective Antibodies

914  Replication of Herpes Simplex Virus in Human T Lymphocytes: Characterization of the Viral Target Cell

920  Antigenic Structure of Hepatitis B Surface Antigen: Identification of the “d” Subtype Determinant by Chemical Modification and Use of Monoclonal Antibodies

928  Specificity of In Vitro Anti-Influenza Virus Antibody Production by Human Lymphocytes: Analysis of Original Antigenic Sin by Limiting Dilution Cultures

TUMOR IMMUNOLOGY

F. Colotta, G. Peri, A. Villa, and A. Mantovani  
K. A. O’Connell and L. R. Gooding

936  Rapid Killing of Actinomycin D-Treated Tumor Cells by Human Mononuclear Cells. I. Effectors Belong to the Monocyte-Macrophage Lineage

945  Aggressiveness of SJL/J Lymphomas Correlates with Absence of H-2Ds Antigens

953  Cloned Cytotoxic T Lymphocytes Recognize Cells Expressing Discrete Fragments of the SV40 Tumor Antigen

MOLECULAR GENETICS

P. Levine and D. Pious  
S. J. Smith-Gill, C. R. Mainhart, T. B. Lavoie, S. Rudikoff, and M. Potter

959  Revertants from the HLA Class II Regulatory Mutant 6.a.6: Implications for the Regulation of Ia Gene Expression

963  V_{L}-V_{H} Expression by Monoclonal Antibodies Recognizing Avian Lysozyme

KROC FOUNDATION CONFERENCE: Effect of Total Lymphoid Irradiation on Autoimmune Disease and Transplantation Immunity

S. Strober

968  Overview: Effect of Total Lymphoid Irradiation on Autoimmune Disease and Transplantation Immunity

M. Weigensberg, S. Morecki, L. Weiss, Z. Fuks, and S. Slavin  
A. Tanay and S. Strober  
M. Waer, K. K. Ang, E. van der Schueren, and M. Vandeputte  
M. Waer, K. K. Ang, E. van der Schueren, and M. Vandeputte  
M. Moscovitch and S. Slavin  
R. P. Lowry, R. D. Clark Forbes, and J. H. Blackburn  
R. F. Lowry, R. D. Clark Forbes, C. B. Carpenter, K. E. Gurley, and J. P. Merrill

971  Suppression of Cell Mediated Immune Responses Following Total Lymphoid Irradiation (TLI) I. Characterization of Suppressor Cells of the Mixed Leukocyte Reaction

979  Opposite Effects of Total Lymphoid Irradiation on T Cell Dependent and T Cell Independent Antibody Responses

985  Influence of Radiation Field and Fractionation Schedule of Total Lymphoid Irradiation (TLI) on the Induction of Suppressor Cells and Stable Chimerism After Bone Marrow Transplantation in Mice

991  Allogeneic Bone Marrow Transplantation in Mice After Total Lymphoid Irradiation: Influence of Breeding Conditions and Strain of Recipient Mice

997  Anti-Tumor Effects of Allogeneic Bone Marrow Transplantation in (NZB × NZW) F₁ Hybrids With Spontaneous Lymphosarcoma

1001  Immune Reactivity and Immunosuppressive Intervention (TLI) in Experimental Nephritis I. Immunopathologic Correlates in the Accelerated Autologous Form of Nephrotoxic Serum Nephritis

1007  Immune Reactivity and Immunosuppressive Intervention in Experimental Nephritis. II. Effect of TLI on the Course of Two Models of Nephritis in the Inbred Rat

Continued on page 7
Letters to the Editor

Announcements

Erratum

Author Index