This information is current as of January 13, 2018.
Contents

CELLULAR IMMUNOLOGY

R. D. Stout, G. A. Schwarting, and J. Suttles 2123 Evidence that Expression of Asialo-GM1 May Be Associated with Cell Activation: Correlation of Asialo-GM1 Expression with Increased Total Cellular RNA and Protein Content in Normal Thymocyte and Spleen Cell Populations

B. Gulwani, M. Maio, L. Imberti, R. J. Melamede, and S. Ferrone 2130 Immunosuppressive Activity of T Cell Clones Generated from Human T Cells Stimulated with Autologous Tpha Cells

D. L. Thiele, J. A. Calomeni, and P. E. Lipsky 2137 Leucyl-Leucine Methyl Ester Treatment of Donor Cells Permits Establishment of Immunocompetent Parent → F1 Chimeras that Are Selectively Tolerant of Host Alloantigens

M. A. Shipp and E. L. Reinherz 2143 Differential Expression of Nuclear Proto-Oncogenes in T Cells Triggered with Mitogenic and Nonmitogenic T3 and T11 Activation Signals

S. B. Pollack and E. L. Reinherz 2149 The Primary Role of Murine Bone Marrow in the Production of Natural Killer Cells: A Cytokine Study

P. T. H. Wang, M. Bigby, and M.-S. Sy 2157 Selective Down Modulation of L3T4 Molecules on Murine Thymocytes by the Tumor Promoter, Phorbol 12-Myristate 13-Acetate

P. J. Wettstein and M. P. Combom 2166 Immunodominance in the T Cell Response to Multiple Non-H-2 Histocompatibility Antigens. IV. Partial Tissue Distribution and Mapping of Immunodominant Antigens

J. D. Mountz, J. Smith, C. M. Snapper, J. F. Mushinski, and F. D. Finkelman 2172 Polyclonal Activation of the Murine Immune System by an Antibody to IgD. VIII. Stimulation of IgD Secretion

H. Yamamoto, S. Bitoh, and S. Fujimoto 2179 Acquisition of an Anti-Idiotype Cytotoxic T Lymphocyte Repertoire in B Cell-Transferred or Tetraparental Bone Marrow Chimeric Mice

G. Fyfe, J. A. Cebra-Thomas, E. Mustain, J. M. Davie, C. D. Alley, and M. H. Nahm 2187 Subpopulations of B Lymphocytes in Germinal Centers

S. Ezine, L. Jerabek, and I. Weissman 2195 The Phenotype of Thymocytes Derived from a Single Clonogenic Precursor

R. C. Budd, M. Schreyer, G. C. Miescher, and H. R. MacDonald 2200 T Cell Lineages in the Thymus of lpr/lpr Mice: Evidence for Parallel Pathways of Normal and Abnormal T Cell Development

K. M. Mohler and J. W. Streilein 2211 Tolerance to Class II Major Histocompatibility Complex Molecules Is Maintained in the Presence of Endogenous Interleukin 2-Producing Tolerogen-Specific T Lymphocytes

L. Lefrancois 2220 Expression of Carbohydrate Differentiation Antigens during Ontogeny of the Murine Thymus

A. E. Nel, I. Schabort, A. Rheeder, P. Bouic, and M. W. Wooten 2230 Inhibition of Antibodies to CD3 Surface Antigen and Phytohemagglutinin-Mediated T Cellular Responses by Inhibiting Ca^2+/Phospholipid-Dependent Protein Kinase Activity with the Aid of 1-[5-Isouquinolinyl Sulfonyl]-2-Methyppiperazine Dihydrochloride

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

A. I. Levinson, N. F. Dalal, M. Haidar, L. Tar, and M. Orlow 2237 Prominent IgM Rheumatoid Factor Production by Human Cord Blood Lymphocytes Stimulated in Vitro with Staphylococcus aureus Cowan 1

M. D. Clayman, L. Michaud, and E. G. Neison 2242 Murine Interstitial Nephritis. VI. Characterization of the B Cell Response in Anti-Tubular Basement Membrane Disease

J. A. Hill, F. Haimovici, and D. J. Anderson 2250 Products of Activated Lymphocytes and Macrophages Inhibit Mouse Embryo Development In Vitro

Continued on page 4
**IMMUNOCHEMISTRY**

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>2361</td>
<td>Primary Cultures of Murine Astrocytes Produce C3 and Factor B, Two Components of the Alternative Pathway of Complement Activation</td>
</tr>
<tr>
<td>2367</td>
<td>Preparation and Performance of Bispecific F(ab')2 Antibody Containing Thioether-Linked Fab'γ Fragments</td>
</tr>
<tr>
<td>2376</td>
<td>Monoclonal Antibodies to Adenosine Receptor by an Auto-Anti-Idiotypic Approach</td>
</tr>
<tr>
<td>2385</td>
<td>Complete Variable Region Sequences of Five Homologous High Affinity Anti-Digoxin Antibodies</td>
</tr>
</tbody>
</table>

**CYTOKINES • MEDIATORS • REGULATORY MOLECULES**

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>2290</td>
<td>Effect of B Cell Stimulatory Factor 1 (Interleukin 4) on Fc, and Fc, Receptor Expression on Murine B Lymphocytes and B Cell Lines</td>
</tr>
<tr>
<td>2297</td>
<td>Interleukin 1 Production by Human Lung Tissue. I. Identification and Characterization</td>
</tr>
<tr>
<td>2303</td>
<td>Interleukin 1 Production by Human Lung Tissue. II. Inhibition by Anti-Inflammatory Steroids</td>
</tr>
<tr>
<td>2308</td>
<td>A Soluble Interleukin 2 Receptor Produced by a Normal Alloreactive Human T Cell Clone Binds Interleukin 2 with Low Affinity</td>
</tr>
<tr>
<td>2317</td>
<td>Membrane Interleukin 1 Induction on Human Endothelial Cells and Dermal Fibroblasts</td>
</tr>
<tr>
<td>2325</td>
<td>Antigen-Induced Human Interferon-γ Production: Differential Dependence on Interleukin 2 and Its Receptor</td>
</tr>
<tr>
<td>2329</td>
<td>A Synthetic Peptide Homologous to the Envelope Proteins of Retroviruses Inhibits Monocyte-Mediated Killing by Inactivating Interleukin 1</td>
</tr>
<tr>
<td>2338</td>
<td>Modulation of Natural Killer Cell Cytotoxic Activity, Lymphokine Production, and Interleukin 2 Receptor Expression by Thymic Hormones</td>
</tr>
<tr>
<td>2344</td>
<td>Sequential Effect of a High Molecular Weight B Cell Growth Factor and of Interleukin 2 on Activated Human B Cells</td>
</tr>
<tr>
<td>2349</td>
<td>Interleukin 4 Enhances the Ability of Antigen-Specific B Cells to Form Conjugates with T Cells</td>
</tr>
<tr>
<td>2355</td>
<td>Reconstitution of a Functional Interleukin 2 Receptor in a Nonlymphoid Cell</td>
</tr>
</tbody>
</table>

**IMMUNOREGULATION IN THE PEYER'S PATCH MICROENVIRONMENT: CELLULAR BASIS FOR THE ENHANCED RESPONSES BY THE B CELLS OF X-LINKED IMMUNODEFICIENT CBA/N MICE**

J. H. Eldridge, K. W. Beagley, and J. R. McGhee

K. Ljunggren, B. Bottiger, G. Biberfeld, A. Karlson, E.-M. Fenyo, and M. Jondal

R. B. Acres, P. J. Conlon, D. Y. Mochizuki, and B. Gallis

M. K. Nicholas, J. P. Antel, K. Stefansson, and B. G. W. Arnason

D. M. Klinman and A. D. Steinberg

R. B. Acres, P. J. Conlon, D. Y. Mochizuki, and B. Gallis

M. K. Nicholas, J. P. Antel, K. Stefansson, and B. G. W. Ar

D. M. Klinman and A. D. Steinberg

Continued from page 3
IMMUNOPHARMACOLOGY

C. P. Nielsen  2392  β-Adrenergic Modulation of the Polymorphonuclear Leukocyte Respiratory Burst Is Dependent upon the Mechanism of Cell Activation


A. El-Hag and R. A. Clark  2406  Immunosuppression by Activated Human Neutrophils: Dependence on the Myeloperoxidase System

J. M. Carlin, E. C. Borden, P. M. Sondel, and G. I. Byrne  2414  Biologic Response Modifier-Induced Indoleamine 2,3-Dioxygenase Activity in Human Peripheral Blood Mononuclear Cell Cultures

P. M. Rosoff, R. Walker, and L. Winberrry  2419  Pertussis Toxin Triggers Rapid Second Messenger Production in Human T Lymphocytes

N. D. Stalfe, R. P. Messner, and D. C. Zoschke  2424  Inhibition of Human T Lymphocyte E Rosette Formation by Neutrophils and Hydrogen Peroxide: Differential Sensitivity between Helper and Suppressor T Lymphocytes

E. WoldeMussie, H. Ali, T. Takaiishi, R. P. Siraganian, and M. A. Byrne  2431  Identification of Variants of the Basophilic Leukemia (RBL-2H3) Cells that Have Defective Phosphoinositide Responses to Antigen and Stimulants of Guanosine 5'-Triphosphate Regulatory Proteins

J. M. Carlin, E. C. Borden, P. M. Sondel, and G. I. Byrne  2439  Human Endothelial Cells Are Target for Platelet-Activating Factor. I. Platelet-Activating Factor Induces Changes in Cytoskeleton Structures

MICROBIAL IMMUNOLOGY

G. V. Kadival, S. D. Chaparas, and D. Hussong  2447  Characterization of Serologic and Cell-Mediated Reactivity of a 38-kDa Antigen Isolated from Mycobacterium tuberculosis

F. Y. Liew, M. T. Scott, D. S. Liu, and S. L. Croft  2452  Suppressive Substance Produced by T Cells from Mice Chronically Infected with Trypanosoma cruzi. I. Preferential Inhibition of the Induction of Delayed-Type Hypersensitivity


J. P. Dalton and M. Strand  2474  Schistosoma mansoni Polypeptides Immunogenic in Mice Vaccinated with Radiation-Attenuated Cercariae


MOLECULAR BIOLOGY • MOLECULAR GENETICS

A. F. Calman and B. M. Peterlin  2489  Mutant Human B Cell Lines Deficient in Class II Major Histocompatibility Complex Transcription

H. Dersimonian, R. S. Schwartz, K. J. Barrett, and B. D. Stollar  2496  Relationship of Human Variable Region Heavy Chain Germ-Line Genes to Genes Encoding Anti-DNA Autoantibodies

TUMOR IMMUNOLOGY

J. Stein-Streilein, M. Zakarija, M. Papic, and J. M. McKenzie  2502  Hyperthyroxinemic Mice Have Reduced Natural Killer Cell Activity: Evidence for a Defective Trigger Mechanism

Announcements  2508

Author Index  2510