THE JOURNAL OF IMMUNOLOGY
Volume 144/Number 2, January 15, 1990

Contents

CELLULAR IMMUNOLOGY

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>P. Benveniste, B. S. Chadwick, R. G. Miller, and J. Reimann</td>
<td>411</td>
<td>Characterization of Cells with T Cell Markers in Athymic Nude Bone Marrow and of Their In Vitro-Derived Clonal Progeny: Comparison with Euthymic Bone Marrow</td>
</tr>
<tr>
<td>B. C. Cole, C. S. David, D. H. Lynch, and D. R. Kartchner</td>
<td>420</td>
<td>The Use of Transfected Fibroblasts and Transgenic Mice Establishes that Stimulation of T Cells by the <em>Mycoplasma arthritidis</em> Mitogen Is Mediated by E&lt;sub&gt;a&lt;/sub&gt;</td>
</tr>
<tr>
<td>B. C. Cole, D. R. Kartchner, and D. J. Wells</td>
<td>425</td>
<td>Stimulation of Mouse Lymphocytes by a Mitogen Derived from <em>Mycoplasma arthritidis</em> (MAM). VIII. Selective Activation of T Cells Expressing Distinct V&lt;sub&gt;α&lt;/sub&gt; T Cell Receptors from Various Strains of Mice by the &quot;Superantigen&quot; MAM</td>
</tr>
<tr>
<td>D. Cross and J. C. Cambier</td>
<td>432</td>
<td>Transforming Growth Factor α1 Has Differential Effects on B Cell Proliferation and Activation Antigen Expression</td>
</tr>
<tr>
<td>M. D. Mannie, P. Y. Paterson, D. W. Thomas, and R. Nairn</td>
<td>440</td>
<td>Distinct Accessory Cell Requirements Define Two Types of Rat T Cell Hybridomas Specific for Unique Determinants in the Encephalitogenic 68–86 Region of Myelin Basic Protein</td>
</tr>
<tr>
<td>J. J. Mond, A. Balapure, N. Feuerstein, C. H. June, M. Brunswick, M.-L. Lindsberg, and K. Witherspoon</td>
<td>451</td>
<td>Protein Kinase C Activation in B Cells by Indolactam Inhibits Anti-Ig-Mediated Phosphatidylinositol Bisphosphate Hydrolysis but Not B Cell Proliferation</td>
</tr>
<tr>
<td>D. D. Taub, Y.-S. Lin, and T. J. Rogers</td>
<td>456</td>
<td>Characterization and Genetic Restriction of Suppressor-Effectors Cells Induced by Staphylococcal Enterotoxin B</td>
</tr>
<tr>
<td>Y. Tomita, H. Mayumi, M. Eto, and K. Nomoto</td>
<td>463</td>
<td>Importance of Suppressor T Cells in Cyclophosphamide-Induced Tolerance to the Non-H-2-Encoded Alloantigens: Is Mixed Chimerism Really Required in Maintaining a Skin Allograft Tolerance?</td>
</tr>
</tbody>
</table>

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Farr, S. Hosier, A. Nelson, S. Itohara, and S. Tonegawa</td>
<td>492</td>
<td>Distribution of Thymocytes Expressing γ&lt;sub&gt;δ&lt;/sub&gt; Receptors in the Murine Thymus during Development</td>
</tr>
<tr>
<td>P.-A. Guerne, D. A. Carson, and M. Lotz</td>
<td>499</td>
<td>IL-6 Production by Human Articular Chondrocytes: Modulation of Its Synthesis by Cytokines, Growth Factors, and Hormones in Vitro</td>
</tr>
<tr>
<td>D. M. Klinman, R. A. Eisenberg, and A. D. Steinberg</td>
<td>506</td>
<td>Development of the Autoimmune B Cell Repertoire in MRL-lpr/lpr Mice</td>
</tr>
<tr>
<td>L. A. Lampson</td>
<td>512</td>
<td>MHC Regulation in Neural Cells: Distribution of Peripheral and Internal β&lt;sub&gt;2&lt;/sub&gt;-Microglobulin and Class I Molecules in Human Neuroblastoma Cell Lines</td>
</tr>
<tr>
<td>K. A. O'Connell and M. Eddin</td>
<td>521</td>
<td>A Mouse Lymphoid Endothelial Cell Line Immortalized by Simian Virus 40 Binds Lymphocytes and Retains Functional Characteristics of Normal Endothelial Cells</td>
</tr>
</tbody>
</table>

Continued on page 4
Y. Rosenstein, S. J. Burakoff, and S. H. Hermann

T. F. Tedder, A. C. Penta, H. B. Levine, and A. S. Freedman


526 HIV-gp120 Can Block CD4-Class II MHC-Mediated Adhesion

532 Expression of the Human Leukocyte Adhesion Molecule, LAM1: Identity with the TQ1 and Leu-8 Differentiation Antigens

541 Requirements for the Adoptive Transfer of Antibody Responses to a Priming Antigen in Man

---

**CYTOKINES • MEDIATORS • REGULATORY MOLECULES**

T. F. Gajewski and F. W. Fitch

548 Anti-Proliferative Effect of IFN-γ in Immune Regulation. IV. Murine CTL Clones Produce IL-3 and GM-CSF, the Activity of Which Is Masked by the Inhibitory Action of Secreted IFN-γ

P. J. Morrissey and K. Charrier

557 GM-CSF Administration Augments the Survival of ITY-Resistant A/J Mice, But Not ity-Susceptible CS7BL/6 Mice, to a Lethal Challenge With Salmonella typhimurium

J. B. Sliwalski, L. M. McAnally, and P. E. Lipsky

562 IL-2 Dependence of the Promotion of Human B Cell Differentiation by IL-6 (BaF-2)

D. Vercelli, H. H. Jabara, R. P. Lauener, and R. S. Geha

570 IL-4 Inhibits the Synthesis of IFN-γ and Induces the Synthesis of IgE in Human Mixed Lymphocyte Cultures

---

**IMMUNOCHEMISTRY**


L. Borriero, C. Giorgetti, G. Smith, D. Landry, E. Selsing, E. Zhukovsky, and J. L. Press

R. W. Bryant, C. A. Granzow, M. I. Siegel, R. W. Egan, and M. M. Billah


P. Mathias, D. C. Shreffler, N. R. Cooper, and R. T. Ogata


C. Victor-Kobrin, Z. T. Barak, F. A. Bonilla, B. Kobrin, I. Sanz, D. French, J. Rothe, and C. Bona

574 A Monoclonal Antibody Reactive with a 15-kDa Cytoplasmic Granule-Associated Protein Defines a Subpopulation of CD8^+ T Lymphocytes

583 Neonatal and Adult Primary B Cells Use the Same Germ-Line V_H and V_L Genes in Their (T,G)-A-L-Specific Repertoire

593 Phorbol Esters Increase Synthesis of Decay-Accelerating Factor, a Phosphatidylinositol-Anchored Surface Protein, in Human Endothelial Cells

599 The Fc-Receptor III of Cultured Human Monocytes: Structural Similarity with FcRIII of Natural Killer Cells and Role in the Extracellular Lysis of Sensitized Erythrocytes

607 Conversion of the C4d.2 Serologic Allotype of Murine Complement Component C4 to the C4d.1 Allotype by Site-Specific Mutagenesis

610 Generation and Use of Site-Specific Antibodies to Serum Amyloid A for Probing Amyloid A Development

614 A Molecular and Structural Analysis of the V_H and V_K Regions of Monoclonal Antibodies Bearing the A48 Regulatory Idiotype

---

**IMMUNOPHARMACOLOGY**

S. L. Abramson and J. I. Gallin

K. J. Balazovich and L. A. Boxer

625 IL-4 Inhibits Superoxide Production by Human Mononuclear Phagocytes

631 Extracellular Adenosine Nucleotides Stimulate Protein Kinase C Activity and Human Neutrophil Activation

Continued on page 5
Microbial Immunology


685 Natural Antibodies to IFN-γ in Man and Their Increase during Viral Infection

IL-2 Can Enhance the Cyclosporin A-Mediated Inhibition of Theileria parva-Infected T Cell Proliferation

699 Characterization of Two Proteins from Leishmania donovani and Their Use for Vaccination against Visceral Leishmaniasis

707 Different Effects of Native Candida albicans Mannan and Mannan-Derived Oligosaccharides on Antigen-Stimulated Lymphoproliferation In Vitro

Depletion of CD8+ Cells Increases Susceptibility and Reverses Vaccine-Induced Immunity in Mice Infected with Trypanosoma cruzi

Molecular Biology • Molecular Genetics

V. C. Ciccarone, J. Chrivia, K. J. Hardy, and H. A. Young
S. A. Ellis, M. S. Palmer, and A. J. McMichael
M. Furue, S. I. Katz, Y. Kawai kami, and T. Kawakami
T. W. Post, M. A. Arce, M. K. Liszewski, E. S. Thompson, J. P. Atkinson, and D. M. Lublin

725 Identification of Enhancer-Like Elements in Human IFN-γ Genomic DNA

Human Trophoblast and the Choriocarcinoma Cell Line BeWo Express a Truncated HLA Class I Molecule

736 Coordinate Expression of src Family Protooncogenes in T Cell Activation and Its Modulation by Cyclosporine

740 Structure of the Gene For Human Complement Protein Decay Accelerating Factor

Continued on page 6
Simultaneously Arising Ly-1(CD5) B Cell Lymphomas Have Identical Expressed IgH and κ-Genes But Different Nonproductive Heavy Chain Rearrangements

### TUMOR IMMUNOLOGY

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>N. Berinstein, M. J. Campbell,</td>
<td>752</td>
<td>Idiotype Variation in a Human B Lymphoma Cell Line</td>
</tr>
<tr>
<td>K. Lam, C. Carswell, S. Levy,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>and R. Levy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>J.-J. Chen, Y. Saeki, and H.</td>
<td>759</td>
<td>Idiotype Matching: Correlation of Expression of Protective Idiotype</td>
</tr>
<tr>
<td>Köhler</td>
<td></td>
<td>with Survival of Tumor Mice</td>
</tr>
<tr>
<td>D. M. Paulinock and L. E. Lambert</td>
<td>765</td>
<td>Identification and Characterization of Monoclonal Antibodies Specific for Macrophages at Intermediate Stages in the Tumoricidal Activation Pathway</td>
</tr>
</tbody>
</table>

**Erratum**

**Author Index**

774

775