Contents

CELLULAR IMMUNOLOGY

E. D. Anastassiou, H. Yamada, M. L. Francis, J. J. Mond, and G. C. Tsokos 2375 Effects of Cholera Toxin on Human B Cells: Cholera Toxin Induces B Cell Surface DR Expression while It Inhibits Anti-μ Antibody-Induced Cell Proliferation

L. H. Brent, J. L. Butler, W. T. Woods, Jr., and J. K. Bubien 2381 Transmembrane Ion Conductance in Human B Lymphocyte Activation

A. Funaro, G. C. Spagnoli, C. M. Ausiello, M. Alessio, S. Rago, D. Delia, M. Zaccolo, and F. Malavasi 2390 Involvement of the Multilineage CD38 Molecule in a Unique Pathway of Cell Activation and Proliferation

A. Galelli and B. Charlot 2397 Clonal Anergy of Memory B Cells in Epitope-Specific Regulation


A. Galelli and B. Charlot 2421 CD8+ Suppressor T Cell Clone Capable of Inhibiting the Antigen- and Anti-T Cell Receptor-Induced Proliferation of Th Clones without Cytolytic Activity

S. A. Minchin, D. Leitenberg, L. L. Stunz, and T. L. Feldbush 2427 Polyclonal Activation of Rat B Cells. II. Dextran Sulfate as a Cofactor in Mitogen-Induced and Antigen-Induced Differentiation of Rat B Lymphocytes

M. E. Munk, A. J. Gatrill, and S. H. E. Kaufmann 2434 Target Cell Lysis and IL-2 Secretion by γ/δ T Lymphocytes after Activation with Bacteria

J. L. Rabinowitz, V. K. Tsiagbe, M. Nicknam, and G. J. Thorbecke 2440 Germinal Center Cells are a Major IL-5-Responsive B Cell Population in Peripheral Lymph Nodes Engaged in the Immune Response

L. E. Samelson, M. C. Fletcher, J. A. Ledbetter, and C. H. June 2448 Activation of Tyrosine Phosphorylation in Human T Cells via the CD2 Pathway: Regulation by the CD45 Tyrosine Phosphatase

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

M. Cogne and J.-L. Preud’Homme 2455 Gene Deletions Force Nonsecretory α-Chain Disease Plasma Cells to Produce Membrane-Form α-Chain Only


J. D. Sedgwick, C. C. Hughes, D. K. Male, I. A. M. MacPhee, and V. T. Meulen 2474 Antigen-Specific Damage to Brain Vascular Endothelial Cells Mediated by Encephalitogenic and Nonencephalitogenic CD4+ T Cell Lines in Vitro


Z. J. Zhang, C. S. Y. Lee, O. Lider, and H. L. Weiner 2489 Suppression of Adjuvant Arthritis in Lewis Rats by Oral Administration of Type II Collagen

Continued on page 4
<table>
<thead>
<tr>
<th>CYTOKINES • MEDIATORS • REGULATORY MOLECULES</th>
</tr>
</thead>
<tbody>
<tr>
<td>C. Druez, P. Coulie, C. Uyttenhove, and J. Van Snick, 2494 Functional and Biochemical Characterization of Mouse P40/IL-9 Receptors</td>
</tr>
<tr>
<td>A. W. Taylor, N.-O. Ku, and R. F. Morsing, 2507 Regulation of Cytokine-Induced Human C-Reactive Protein Production by Transforming Growth Factor-β</td>
</tr>
<tr>
<td>S. M. Wahl, J. B. Allen, H. L. Wong, S. F. Dougherty, and L. R. Ellingsworth, 2514 Antagonistic and Agonistic Effects of Transforming Growth Factor-β and IL-1 in Rheumatoid Synovium</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMMUNOCHEMISTRY</th>
</tr>
</thead>
<tbody>
<tr>
<td>S. Bordin, B. Ghebrehiwet, and R. C. Page, 2520 Participation of Clq and its Receptor in Adherence of Human Diploid Fibroblast</td>
</tr>
<tr>
<td>C. Horgan, K. Brown, and S. H. Pincus, 2527 Alteration in H Chain V Region Affects Complement Activation by Chimeric Antibodies</td>
</tr>
<tr>
<td>S.-V. Kaveri, R. Halpern, C.-Y. Kang, and H. Köhler, 2533 Self-Binding Antibodies (Autobodies) Form Specific Complexes in Solution</td>
</tr>
<tr>
<td>R. B. Raybourne and K. M. Williams, 2539 Monoclonal Antibodies Against an HLA-B27-Derived Peptide React with an Epitope Present on Bacterial Proteins</td>
</tr>
<tr>
<td>F. Young, L. Tucker, D. Rubinstein, T. Guillaume, J. André-Schwartz, K. J. Barretti, R. S. Schwartz, and T. Logtenberg, 2545 Molecular Analysis of a Germ Line-Encoded Idiotypic Marker of Pathogenic Human Lupus Autoantibodies</td>
</tr>
<tr>
<td>S.-R. Zhou and J. N. Whitaker, 2554 An Idiotype Shared by Monoclonal Antibodies to Different Peptides of Human Myelin Basic Protein</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMMUNOPHARMACOLOGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>E. J. Carolan and T. B. Casale, 2561 Degree of Platelet Activating Factor-Induced Neutrophil Migration Is Dependent upon the Molecular Species</td>
</tr>
<tr>
<td>R. A. Gottlieb, E. S. Kleinerman, C. A. O’Brian, S. Tsuimoto, G. J. Clanciolo, and W. J. Lennarz, 2566 Inhibition of Protein Kinase C by a Peptide Conjugate Homologous to a Domain of the Retroviral Protein p15E</td>
</tr>
<tr>
<td>R. Illesketh, T. A. Moore, S. R. Pennington, G. A. Smith, and J. C. Metcalfe, 2571 Analysis of the Primary Signals Required for Activation of the Mitogenic Pathway in Murine Thymocytes from Protein Phosphorylation Patterns</td>
</tr>
<tr>
<td>C. Kroegel, M. A. Giembycz, and P. J. Barnes, 2581 Characterization of Eosinophil Cell Activation by Peptides: Differential Effects of Substance P, Melittin, and FMET-Leu-Phe</td>
</tr>
<tr>
<td>T. W. Kuiper, B. C. Hakkert, J. A. van Mourik, and D. Roos, 2588 Distinct Adhesive Properties of Granulocytes and Monocytes to Endothelial Cells under Static and Stirred Conditions</td>
</tr>
<tr>
<td>K. Levy, D. Rotrosen, O. Nagauker, T. L. Leto, and H. L. Malech, 2595 Induction of the Respiratory Burst in HL-60 Cells: Correlation of Function and Protein Expression</td>
</tr>
<tr>
<td>B. Mazer, K. L. Clay, H. Renz, and E. W. Geldard, 2602 Platelet-Activating Factor Enhances Ig Production in B Lymphoblastoid Cell Lines</td>
</tr>
<tr>
<td>J. T. McVill, S. G. Slade, G. Weissmann, R. Winchester, and J. P. Buyon, 2606 Two Pathways of CD11b/CD18-Mediated Neutrophil Aggregation with Different Involvement of Protein Kinase C-Dependent Phosphorylation</td>
</tr>
<tr>
<td>R. Minakuchi, M. C. Wacholtz, L. S. Davis, and P. E. Lipsky, 2616 Delineation of the Mechanism of Inhibition of Human T Cell Activation by PGE2</td>
</tr>
<tr>
<td>J. N. Moy, G. J. Gleich, and L. L. Thomas, 2626 Noncytotoxic Activation of Neutrophils by Eosinophil Granule Major Basic Protein: Effect on Superoxide Anion Generation and Lysosomal Enzyme Release</td>
</tr>
</tbody>
</table>

Continued on page 5
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evidence that a Receptor-Operated Event on the Neutrophil Mediates Neutrophil Accumulation in Vivo: Pretreatment of $^{111}$In-Neutrophils with Pertussis Toxin in Vitro Inhibits their Accumulation in Vivo</td>
<td>2633</td>
</tr>
<tr>
<td>Inhibition of Neutrophil Migration by Tumor Necrosis Factor: Ex Vivo and in Vivo Studies in Comparison with in Vitro Effect</td>
<td>2639</td>
</tr>
<tr>
<td>Prostaglandin E$_2$ Promotes IL-4-Induced IgE and IgG1 Synthesis</td>
<td>2644</td>
</tr>
<tr>
<td>Identification of a Cathepsin G-Like Proteinase in the MC$_c$ Type of Human Mast Cell</td>
<td>2652</td>
</tr>
<tr>
<td>A Soluble Factor Produced by Inoculation of Human Monocytes with Leishmania donovani Promastigotes Suppresses IFN-γ-Dependent Monocyte Activation</td>
<td>2662</td>
</tr>
<tr>
<td>Regulation of HIV Replication in Infected Monocytes by IFN-α: Mechanisms for Viral Restriction</td>
<td>2669</td>
</tr>
<tr>
<td>Synthetic Peptides Containing T and B Cell Epitopes from Human Immunodeficiency Virus Envelope gp120 Induce Anti-HIV Proliferative Responses and High Titers of Neutralizing Antibodies in Rhesus Monkeys</td>
<td>2677</td>
</tr>
<tr>
<td>Activation of Human Monocyte-Derived Macrophages to Kill Schistosomula of Schistosoma mansoni in Vitro</td>
<td>2686</td>
</tr>
<tr>
<td>Synthetic Peptide Immunogens Eliciting Antibodies to Plasmodium falciparum Sporozoite and Merozoite Surface Antigens in H-2$^d$ and H-2$^k$ Mice</td>
<td>2691</td>
</tr>
<tr>
<td>Induction of T Helper Cell Unresponsiveness to Antigen by Macrophages from Schistosomal Egg Granulomas: A Basis for Immunomodulation in Schistosomiasis?</td>
<td>2697</td>
</tr>
<tr>
<td>Gene Transcription during in Vitro Activation of Human B Lymphocytes with Staphylococcus aureus Cowan I Strain</td>
<td>2701</td>
</tr>
<tr>
<td>Characterization of New Mouse V$_\kappa$ Groups</td>
<td>2706</td>
</tr>
<tr>
<td>Identification of Rabbit Genomic Ig-V$_\kappa$ Pseudogenes That Could Serve as Donor Sequences for Latent Allotype Expression</td>
<td>2713</td>
</tr>
<tr>
<td>A V$<em>\kappa$-J$</em>\kappa$ Junctional Change in an Antidigoxin Recombinant Antibody Destroys Digoxin-Binding Activity</td>
<td>2718</td>
</tr>
<tr>
<td>Contribution of the CD5$^+$ B Cell to D-Proximal V$_\kappa$ Family Expression Early in Ontogeny</td>
<td>2725</td>
</tr>
<tr>
<td>Rapid Nonlysosomal Degradation of Assembled HLA Class II Glycoproteins Incorporating a Mutant DR α-Chain</td>
<td>2730</td>
</tr>
<tr>
<td>Sequence and Chromosomal Location of the I-309 Gene: Relationship to Genes Encoding a Family of Inflammatory Cytokines</td>
<td>2737</td>
</tr>
<tr>
<td>Expression and Characterization of TCA3: A Murine Inflammatory Protein</td>
<td>2745</td>
</tr>
<tr>
<td>Prevalence and Polymorphism of Human V$_\kappa$3 Genes</td>
<td>2751</td>
</tr>
<tr>
<td>Letters to the Editor</td>
<td>2772</td>
</tr>
<tr>
<td>----------------------</td>
<td>------</td>
</tr>
<tr>
<td>Author Index</td>
<td>2776</td>
</tr>
</tbody>
</table>

**TUMOR IMMUNOLOGY**

M. Bhattacharya-Chatterjee, S. Mukerjee, W. Biddle, K. A. Foon, and H. Kohler


<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>2758</td>
<td>Murine Monoclonal Anti-Idiotype Antibody as a Potential Network Antigen for Human Carcinoembryonic Antigen</td>
</tr>
<tr>
<td>2766</td>
<td>IL-2-PE40 Prevents the Development of Tumors in Mice Injected with IL-2 Receptor Expressing EL4 Transfectant Tumor Cells</td>
</tr>
</tbody>
</table>

**Announcements**

<table>
<thead>
<tr>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2774</td>
</tr>
</tbody>
</table>

**Author Index**

<table>
<thead>
<tr>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2776</td>
</tr>
</tbody>
</table>