## Contents

### CELLULAR IMMUNOLOGY

<table>
<thead>
<tr>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>E. Donnadieu, D. Cefai, Y. P. Tan, G. Paresys, G. Bismuth, and A. Trautmann</td>
<td>2643</td>
</tr>
<tr>
<td>M. L. Dustin, O. Carpen, and T. A. Springer</td>
<td>2654</td>
</tr>
<tr>
<td>J. Hampfl, G. Gradehandt, H. Kalbacher, and E. Rude</td>
<td>2664</td>
</tr>
<tr>
<td>S. Jayaraman, Y. Luo, and M. E. Dorf</td>
<td>2672</td>
</tr>
<tr>
<td>J. G. Johnson and R. Jemmerison</td>
<td>2682</td>
</tr>
<tr>
<td>M. T. Kasai, H. Ikematsu, and P. Casali</td>
<td>2690</td>
</tr>
<tr>
<td>R. R. Olson, M. T. De Magistris, A. Di Tommaso, and R. W. Karr</td>
<td>2703</td>
</tr>
</tbody>
</table>

### CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

<table>
<thead>
<tr>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>H. H. Birdsall, C. Lane, M. N. Ramser, and D. C. Anderson</td>
<td>2717</td>
</tr>
<tr>
<td>M. K. Eskandari, G. Bolgos, C. Miller, D. T. Nguyen, L. E. DeForge, and D. G. Remick</td>
<td>2724</td>
</tr>
<tr>
<td>R. Hussain, R. W. Poinexter, and E. A. Ottesen</td>
<td>2731</td>
</tr>
<tr>
<td>J. Lieberman, J. A. Fabry, M.-C. Kuo, P. Earl, B. Moss, and P. R. Skolnik</td>
<td>2738</td>
</tr>
<tr>
<td>L.-J. Tan, M. K. Kennedy, and S. D. Miller</td>
<td>2748</td>
</tr>
</tbody>
</table>

Continued on page 5
### CYTOKINES • MEDIATORS • REGULATORY MOLECULES

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>C. A. Salkowski and S. N. Vogel</td>
<td>2770</td>
<td>IFN-γ Mediates Increased Glucocorticoid Receptor Expression in Murine Macrophages</td>
</tr>
<tr>
<td>A. Tucci, H. James, R. Chicheportiche, J.-Y. Bonnefoy, J.-M. Dayer, and R. H. Zubler</td>
<td>2778</td>
<td>Effects of Eleven Cytokines and of IL-1 and Tumor Necrosis Factor Inhibitors in a Human B Cell Assay</td>
</tr>
</tbody>
</table>

### IMMUNOCHEMISTRY

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. J. Anderson, C. M. Milner, R. G. H. Cotton, and R. D. Campbell</td>
<td>2795</td>
<td>The Coding Sequence of the Hemolytically Inactive C4A6 Allotype of Human Complement Component C4 Reveals that a Single Arginine to Tryptophan Substitution at β-Chain Residue 458 Is the Likely Cause of the Defect</td>
</tr>
<tr>
<td>J. K. Steele, R. Domingo, H. Goni, and K. Ishizaka</td>
<td>2834</td>
<td>Serologic, Biologic and Western Blot Analysis of Human IgE-Binding Factor Derived from A T Cell Hybridoma Maintained in Protein-Free Medium Appearance of T Lymphocyte-Derived Proteins Specific for the Immunizing Antigen in Serum during a Humoral Immune Response</td>
</tr>
<tr>
<td>M. Urbanski and R. E. Cone</td>
<td>2840</td>
<td></td>
</tr>
</tbody>
</table>

### IMMUNOPHARMACOLOGY

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>E. D. Anastassio, F. Palogianni, J. P. Balow, H. Yamada, and D. T. Bumpas</td>
<td>2845</td>
<td>Prostaglandin E₂ and Other Cyclic AMP-Elevating Agents Modulate IL-2 and IL-2Ra Gene Expression at Multiple Levels</td>
</tr>
<tr>
<td>A. Ding, E. Sanchez, M. Tancinco, and C. Nathan</td>
<td>2853</td>
<td>Interactions of Bacterial Lipopolysaccharide with Microtubule Proteins</td>
</tr>
<tr>
<td>Page</td>
<td>Title</td>
<td>Authors</td>
</tr>
<tr>
<td>------</td>
<td>----------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>5</td>
<td>Preferential Involvement of a Phospholipase A₂-Dependent Pathway in</td>
<td>R. Testi, F. M. Pulcinelli, M. G. Cifone, D. Botti, E. Del Grosso, S. Riondino, L. Frati, P. P.</td>
</tr>
<tr>
<td></td>
<td>CD69-Mediated Platelet Activation</td>
<td>Gazzaniga, and A. Santoni</td>
</tr>
<tr>
<td>2872</td>
<td>A Protein Kinase C-Activating Phorbol Ester Accelerates the T Cell</td>
<td>J. P. Whelan, W. T. Shearer, E. B. Gilliam, and K. J. Hardy</td>
</tr>
<tr>
<td></td>
<td>Antigen Receptor-Stimulated Phosphatidylinositol Cycle in Normal Human</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CD4⁺ T Cells</td>
<td></td>
</tr>
<tr>
<td>2867</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MICROBIAL IMMUNOLOGY</td>
<td></td>
</tr>
<tr>
<td>2879</td>
<td>Heparin Enhances the Interaction of Infective <em>Leishmania donovani</em></td>
<td>B. A. Butcher, L. A. Sklar, L. C. Seamer, and R. H. Glew</td>
</tr>
<tr>
<td></td>
<td>Promastigotes with Mouse Peritoneal Macrophages: A Fluorescence Flow</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cytometric Analysis</td>
<td></td>
</tr>
<tr>
<td>2887</td>
<td>IFN-γ-Producing Ability as a Possible Marker for the Protective T Cells</td>
<td>I. Kawamura, H. Tsukada, H. Yoshikawa, M. Fujita, K. Nomoto, and M. Mitsuyama</td>
</tr>
<tr>
<td></td>
<td>against <em>Mycobacterium bovis</em> BCG in Mice</td>
<td></td>
</tr>
<tr>
<td>2894</td>
<td>Expression of c-kit by Mesenteric Lymph Node Cells from *Nippostrongy-</td>
<td>J. A. Leftwich, E. H. Westin, and T. F. Huff</td>
</tr>
<tr>
<td></td>
<td><em>lus brasiliensis</em> Infected Mice and by Mast Cell Colonies Developing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>from These Cells in Response to 3T3 Fibroblast-Conditioned Medium</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ciency Virus (SIV) Proteins in SIV-Infected Macaques</td>
<td></td>
</tr>
<tr>
<td>2909</td>
<td>A Nuclear DNA-Binding Protein Expressed during Early Stages of B Cell</td>
<td>F. Liao, S. L. Giannini, and B. K. Birshtein</td>
</tr>
<tr>
<td></td>
<td>Differentiation Interacts with Diverse Segments within and 3' of the</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ig H Chain Gene Cluster</td>
<td></td>
</tr>
<tr>
<td>2918</td>
<td>A Genetically Engineered Human IgG Mutant with Enhanced Cytolytic</td>
<td>B. Shopes</td>
</tr>
<tr>
<td></td>
<td>Activity</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and Pulsed Field Gel Electrophoresis</td>
<td></td>
</tr>
<tr>
<td>2932</td>
<td>Inhibition of Basal and Tumor Necrosis Factor-Enhanced Binding of</td>
<td>J. Bereta, M. Bereta, F. D. Coffman, S. Cohen, and M. C. Cohen</td>
</tr>
<tr>
<td></td>
<td>Murine Tumor Cells to Murine Endothelium by Transforming Growth Factor-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>β⁺</td>
<td></td>
</tr>
<tr>
<td>2941</td>
<td>Regulation of Lymphokine-Activated Killer Cell Induction by Human</td>
<td>N. Haran-Ghera, A. Peled, B. K. Brightman, and H. Fan</td>
</tr>
<tr>
<td></td>
<td>Recombinant IL-1 Receptor Antagonist: Obligate Paracrine Pathway of</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IL-1 during Lymphokine-Activated Killer Cell Induction</td>
<td></td>
</tr>
<tr>
<td>2947</td>
<td>Termination of the B Cell Lymphoma Dormant State in Thymectomized</td>
<td>W. J. Murphy, M. Bennett, V. Kumar, and D. L. Longo</td>
</tr>
<tr>
<td></td>
<td>AKR Mice</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and B Cell Development during Allogeneic Bone Marrow Transplantation</td>
<td></td>
</tr>
<tr>
<td>2961</td>
<td>CD4⁺CD8⁺ T Lymphocytes Mediate AKR/Gross Murine Leukemia Viruses</td>
<td>M. Suzuki, H. Koseki, Y. Mizutani, K. Kuribayashi, M. Kanno, and M. Taniguchi</td>
</tr>
<tr>
<td></td>
<td>Nonresponsiveness in Moderately Aged AKR.H-2b:Fv-1ᵇ Mice</td>
<td></td>
</tr>
<tr>
<td>2968</td>
<td>Expansion of Murine T Cells Bearing a Unique T Cell Receptor β-Chain</td>
<td></td>
</tr>
<tr>
<td></td>
<td>in Friend Virus-Induced Tumor in Situ</td>
<td></td>
</tr>
<tr>
<td>2974</td>
<td>Announcement</td>
<td></td>
</tr>
<tr>
<td>2980</td>
<td>Author Index</td>
<td></td>
</tr>
</tbody>
</table>