This information is current as of April 20, 2017.
Contents

CELLULAR IMMUNOLOGY

S. I. Abrams and J. H. Russell 405 CD4+ T Lymphocyte-Induced Target Cell Detachment: A Model for T Cell-Mediated Lytic and Nonlytic Inflammatory Processes
T. Cotner, E. Mellins, A. H. Johnson, and D. Pious 414 Mutations Affecting Antigen Processing Impair Class II-Restricted Allorecognition
R. Guy, M. Foo-Philips, S. O. Sharrow, and R. J. Hodes 418 Subpopulations of Fetal Thymocytes Defined by Expression of T Cell Receptor/CD3 and IL-2 Receptor: CD3 and IL-2 Receptor α-Chain Are Expressed on Reciprocal Cell Populations
B. A. Houlden, S. M. Widacki, and J. A. Bluestone 425 Signal Transduction through Class I MHC by a Monoclonal Antibody That Detects Multiple Murine and Human Class I Molecules
C. R. Kensil, U. Patel, M. Lenick, and D. Marciani 431 Separation and Characterization of Saponins with Adjuvant Activity from Quillaja saponaria Molina Cortex
Z. Liu, K. P. Williams, Y.-H. Chang, and J. A. Smith 438 Single Amino Acid Substitution Alters T Cell Determinant Selection during Antigen Processing of Staphylococcus aureus Nuclease
N. Matsuhashi, Y. Kawase, and G. Suzuki 444 Tolerogenic Ability of Thymocytes in Organ-Cultured Thymus Lobes
M. T. Michalek, B. Benacerraf, and K. L. Rock 449 Weak Base Amines Can Inhibit Class I MHC-Restricted Antigen Presentation
H. Miyajima, T. Hirano, S. Hirose, H. Karasuyama, K. Okumura, and Z. Ovary 457 Suppression by IL-2 of IgE Production by B Cells Stimulated by IL-4
J. A. Mollick, M. Chintagumpala, R. G. Cook, and R. R. Rich 463 Staphylococcal Exotoxin Activation of T Cells: Role of Exotoxin-MHC Class II Binding Affinity and Class II Isotype
W. Ptak, W.-R. Herzog, and P. W. Askenase 469 Delayed-Type Hypersensitivity Initiation by Early-Acting Cells That Are Antigen Mismatched or MHC Incompatible with Late-Acting, Delayed-Type Hypersensitivity Effector T Cells
J. C. Simon, P. D. Cruz, Jr., P. R. Bergstresser, L. S. Davis, and R. E. Tigelaar 476 Phorbol Myristate Acetate-Activated Keratinocytes Stimulate Proliferation of Resting Peripheral Blood Mononuclear Lymphocytes via a MHC-Independent, but Protein Kinase C- and Intercellular Adhesion Molecule-1-Dependent, Mechanism
J. C. Simon, R. E. Tigelaar, P. R. Bergstresser, D. Edelbaum, and P. D. Cruz, Jr. 485 Ultraviolet B Radiation Converts Langerhans Cells from Immunogenic to Tolerogenic Antigen-Presenting Cells: Induction of Specific Clonal Anergy in CD4+ T Helper 1 Cells
S. Tohma, S. Hirohata, and P. E. Lipsky 492 The Role of CD11a/CD54 Interactions in Human T Cell-Dependent B Cell Activation
A. M. vanBuskirk, D. C. Denagel, L. E. Guagliardi, F. M. Brodsky, and S. K. Pierce 500 Cellular and Subcellular Distribution of PBP72/74, a Peptide-Binding Protein That Plays a Role in Antigen Processing

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

G. Hashim, A. A. Vandenberg, D. P. Gold, T. Diamanduros, and H. Offner 515 T Cell Lines Specific for an Immunodominant Epitope of Human Basic Protein Define an Encephalitogenic Determinant for Experimental Autoimmune Encephalomyelitis-Resistant LOU/M Rats

Continued on page 4
| A. Livingstone, C. T. Edwards, J. A. Shizuru, and C. G. Fathman | 529 | Genetic Analysis of Diabetes in the Nonobese Diabetic Mouse. I. MHC and T Cell Receptor \( \beta \) Gene Expression |
| Y. Okano and T. A. Medsger, Jr. | 533 | Newly Identified U4/U6 snRNP-Binding Proteins by Serum Autoantibodies from a Patient with Systemic Sclerosis |
| R. A. Sobel, V. K. Tuohy, and M. B. Lees | 543 | Parental MHC Molecule Haplotype Expression in (SJL/J x SWR)F1 Mice with Acute Experimental Allergic Encephalomyelitis Induced with Two Different Synthetic Peptides of Myelin Proteolipid Protein |
| P. M. Villiger, M. T. Cronin, T. Amenomori, W. Wachsman, and M. Lotz | 550 | IL-6 Production by Human T Lymphocytes: Expression in HTLV-1-Infected but Not in Normal T Cells |

### Cytokines • Mediators • Regulatory Molecules

| C. Cerdan, Y. Martin, H. Brailly, M. Courcoux, S. Flavetta, R. Costello, C. Mawas, F. Birg, and D. Olive | 560 | IL-1\( \alpha \) Is Produced by T Lymphocytes Activated via the CD2 Plus CD28 Pathways |
| C. Cerdan, Y. Martin, H. Brailly, M. Courcoux, S. Flavetta, R. Costello, C. Mawas, F. Birg, and D. Olive | 565 | IL-1 Gene Expression in Lymphoid Tissues |
| L. M. Duncan, L. S. Meegan, and E. R. Unanue | 572 | Modulation of IL-2- and IL-4-Induced Cytotoxicities in Human T Helper Lymphocyte Clones by Tumor Necrosis Factor-\( \alpha \) |
| G. Pawelec | 577 | Lectin-Mediated Induction of IL-4-Producing CD4\(^+\) T Cells |
| M. Rocken, K. M. Muller, J.-H. Saurat, and C. Hauser | 585 | Effects of Site-Specific Mutations on Biologic Activities of Recombinant Human IL-6 |

### Immunocchemistry

| D. M. Ambrosino, M. V. Kanchana, N. R. Delaney, and R. W. Finberg | 599 | Human B Cells Secrete Predominantly \( \lambda \) L Chains in the Absence of H Chain Expression |
| S. E. Artandi, S. M. Canfield, M.-H. Tao, K. L. Calame, S. L. Morrison, and V. R. Bonagura | 603 | Molecular Analysis of IgM Rheumatoid Factor Binding to Chimeric IgG |
| D. Maurer and J. Gorski | 621 | Transfer of Polymorphic Monoclonal Antibody Epitopes to the First and Second Domains of HLA-DR \( \beta \)-Chains by Site-Directed Mutagenesis |
| D. Maurer and J. Gorski | 627 | The Specificity Properties that Distinguish Members of a Set of Homologous Anti-Digoxin Antibodies are Controlled by H Chain Mutations |
| R. I. Near, R. Bruccoleri, J. Novotny, N. W. Hudson, A. White, and M. Mudgett-Hunter | 634 | Conservation and Alteration of HLA-B27-Specific T Cell Epitopes on Mouse Cells: Implications for Peptide-Mediated Alloreactivity |
| S. Rojo, D. López, V. Calvo, and J. A. López de Castro | 643 | Monoclonal Antibodies as Probes to Investigate the Molecular Changes of C5 Associated with the Different Stability of the Molecule on Sheep Erythrocytes and Escherichia coli 0111:B4 |

Continued on page 5
Continued from page 4

S. A. Stacker and T. A. Springer
W. W. Wong and S. A. Farrell
T. Zoda, T.-M. Yeh, and K. A. Krolick

Leukocyte Integrin P150.95 (CD11c/CD18) Functions as an Adhesion Molecule Binding to a Counter-Receptor on Stimulated Endothelium

Proposed Structure of the F' Allotype of Human CR1: Loss of a C3b Binding Site May Be Associated with Altered Function

Clonotypic Analysis of Anti-Acetylcholine Receptor Antibodies from Experimental Autoimmune Myasthenia Gravis-Sensitive Lewis Rats and Experimental Autoimmune Myasthenia Gravis-Resistant Wistar Furth Rats

IMMUNOPHARMACOLOGY

E. N. Charlesworth, A. Kagey-Sobotka, R. P. Schleimer, P. S. Norman, and L. M. Lichtenstein
P. D. Collins, P. J. Jose, and T. J. Williams
I. L. Graham and E. J. Brown
K. Katagiri, T. Katagiri, Y. Koyama, M. Morikawa, T. Yamamoto, and T. Yoshida
P. J. L. Lane, J. A. Ledbetter, F. M. McConnell, K. Draves, J. Deans, G. L. Schieven, and E. A. Clark
K. Miyazawa, C. Mantel, L. Lu, D. C. Morrison, and H. E. Broxmeyer
G. M. Vercellotti, J. L. Platt, F. H. Bach, and A. P. Dalmasso

Prednisone Inhibits the Appearance of Inflammatory Mediators and the Influx of Eosinophils and Basophils Associated with the Cutaneous Late-Phase Response to Allergen

The Sequential Generation of Neutrophil Chemoattractant Proteins in Acute Inflammation in the Rabbit in Vivo: Relationship between C5a and Proteins with the Characteristics of IL-8/Neutrophil-Activating Protein 1

Extracellular Calcium Results in a Conformational Change in Mac-1 (CD11b/CD18) on Neutrophils: Differentiation of Adhesion and Phagocytosis Functions of Mac-1

Calcium-Dependent Eicosanoid Metabolism by Concanavalin A-Stimulated Human Monocytes in Vitro: Synergism with Phorbol Ester Indicates Separate Regulation of Leukotriene B, Synthesis and Release

Expression of src Family Genes during Monocytic Differentiation of HL-60 Cells

Modulation of Monocyte Chemotactic Function in Inflammatory Lesions: Role of Inflammatory Mediators

The Role of Tyrosine Phosphorylation in Signal Transduction through Surface Ig in Human B Cells: Inhibition of Tyrosine Phosphorylation Prevents Intracellular Calcium Release

Lactoferrin-Lipopolysaccharide Interactions: Effect on Lactoferrin Binding to Monocyte/Macrophage-Differentiated HL-60 Cells

Neutrophil Adhesion to Xenogeneic Endothelium via lC3b

Signal Transduction Events and FcγR Engagement in Human Neutrophils Stimulated with Immune Complexes

MICROBIAL IMMUNOLOGY

T. Collen, R. Dimarchi, and T. R. Doel
E. A. Havell and P. B. Sehgal
L. M. Kumaratilake, A. Ferrante, and C. Rzepczyk

Characterization of a Membrane Antigen of Leishmania amazonensis That Stimulates Human Immune Responses

A T Cell Epitope in VP1 of Foot-and-Mouth Disease Virus Is Immunodominant for Vaccinated Cattle

Tumor Necrosis Factor-Independent IL-6 Production during Murine Listeriosis

The Role of T Lymphocytes in Immunity to Plasmodium falciparum: Enhancement of Neutrophil-Mediated Parasite Killing by Lymphotoxin and IFN-γ: Comparisons with Tumor Necrosis Factor Effects

Continued on page 6
### MOLECULAR BIOLOGY • MOLECULAR GENETICS

<table>
<thead>
<tr>
<th>Authors</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>S. P. Balk, P. A. Bleicher, and C. Terhorst</td>
<td>768</td>
<td>Isolation and Expression of cDNA Encoding the Murine Homologues of CD1</td>
</tr>
<tr>
<td>J. Heuer, J. Degwert, H.-G. Pauels, and E. Kölsh</td>
<td>775</td>
<td>T Cell Receptor α and β Gene Expression in a Murine Antigen-Specific T Suppressor Lymphocyte Clone with Cytolytic Potential</td>
</tr>
</tbody>
</table>

### TUMOR IMMUNOLOGY

<table>
<thead>
<tr>
<th>Authors</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y.-X. Fu, G. A. Watson, M. Kasahara, and D. M. Lopez</td>
<td>783</td>
<td>The Role of Tumor-Derived Cytokines on the Immune System of Mice Bearing a Mammary Adenocarcinoma. I. Induction of Regulatory Macrophages in Normal Mice by the in Vivo Administration of rGM-CSF</td>
</tr>
</tbody>
</table>

Letter to the Editor 790

Author Index