This information is current as of April 16, 2017.

143 (8)

*J Immunol* 1989; 143:2425-2772; ;
http://www.jimmunol.org/content/143/8.citation

**Subscription**  Information about subscribing to *The Journal of Immunology* is online at:  
http://jimmunol.org/subscription

**Permissions**  Submit copyright permission requests at:  
http://www.aai.org/About/Publications/JI/copyright.html

**Email Alerts**  Receive free email-alerts when new articles cite this article. Sign up at:  
http://jimmunol.org/alerts
## Contents

### CELLULAR IMMUNOLOGY

<table>
<thead>
<tr>
<th>Authors</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. P. Deans, J. Shaw, M. J. Pearse, and L. M. Filarski</td>
<td>2425</td>
</tr>
<tr>
<td>A. Elbe, E. Tschachler, G. Steiner, A. Binder, K. Wolff, and G. Stingl</td>
<td>2431</td>
</tr>
<tr>
<td>R. M. R. Gangemi, J. A. Swack, D. M. Gaviria, and P. L. Remain</td>
<td>2439</td>
</tr>
<tr>
<td>A. M. Krieg, W. C. Gause, M. F. Goulery, and A. D. Steinberg</td>
<td>2448</td>
</tr>
<tr>
<td>A. S. Rosenberg, S. I. Katz, and A. Singer</td>
<td>2452</td>
</tr>
</tbody>
</table>

### CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

<table>
<thead>
<tr>
<th>Authors</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>H.-M. Dosch, P. Lam, M. F. Hui, and T. Hibi</td>
<td>2464</td>
</tr>
<tr>
<td>M. F. Hui, P. Lam, and H.-M. Dosch</td>
<td>2470</td>
</tr>
<tr>
<td>B. Falini, L. Flenghi, S. Pileri, P. Pelicci, M. Fagioli, M. F. Martelli, L. Moretta, and E. Ciccone</td>
<td>2480</td>
</tr>
<tr>
<td>L. D. Fast</td>
<td>2489</td>
</tr>
</tbody>
</table>

### CYTOKINES • MEDIATORS • REGULATORY MOLECULES

<table>
<thead>
<tr>
<th>Authors</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. A. Holsti and D. H. Raulet</td>
<td>2514</td>
</tr>
<tr>
<td>F. A. Houssiau, P. G. Coule, and J. Van Snick</td>
<td>2520</td>
</tr>
<tr>
<td>K. Kaushansky</td>
<td>2525</td>
</tr>
<tr>
<td>M. Sharon, J. R. Gnarra, and W. J. Leonard</td>
<td>2530</td>
</tr>
</tbody>
</table>

Continued on page 4
Continued from page 3

J.-H. Shieh, R. H. F. Peterson, D. J. Warren, and M. A. S. Moore
A. Simons and D. Zharhary
R. J. Warrington, W. J. Rutherford, S. K. Wong, J. M. Cook, and E. S. Rector

2534 Modulation of Colony-Stimulating Factor-1 Receptors on Macrophages by Tumor Necrosis Factor

2540 The Role of IL-4 in the Generation of B Lymphocytes in the Bone Marrow

2546 Low Molecular Weight B Cell Growth Factor-Responsive Cloned Human B Cell Lines. I. Phenotypic Differences and Lack of Requirement for CD23 (Fc,RII)

IMMUNOCHEMISTRY

T. W. Du Clos
W. J. Habets, M. H. Hoet, B. A. W. De Jong, A. Van Der Kemp, and W. J. Van Verdooij
K. Kobayashi, M. J. Blaser, and W. R. Brown
A. Santiago, J. Satriano, S. DeCandido, R. Schreiber, J. Unkeless, H. Holthofer, and D. Schlondorff
P. R. Scholl, A. Diez, and R. S. Geha
R. C. Spiro and V. Guaranta
M.-H. Tao and S. L. Morrison
Y. Utsunomiya, J. Bill, E. Palmer, K. Gollob, Y. Takagaki, and O. Kanagawa

2553 C-Reactive Protein Reacts with the U1 Small Nuclear Ribonucleoprotein

2554 Mapping of B Cell Epitopes on Small Nuclear Ribonucleoproteins That React with Human Autoantibodies as well as with Experimentally-Induced Mouse Monoclonal Antibodies

2567 Identification of a Unique IgG Fc Binding Site in Human Intestinal Epithelium

2575 A Specific Fcγ Receptor on Cultured Rat Mesangial Cells

2583 Staphylococcal Enterotoxin B and Toxic Shock Syndrome Toxin-1 Bind to Distinct Sites on HLA-DR and HLA-DQ Molecules

2595 The Invariant Chain is a Phosphorylated Subunit of Class II Molecules

2602 Analysis of a Monoclonal Rat Antibody Directed to the α-Chain Variable Region (Va3) of the Mouse T Cell Antigen Receptor

IMMUNOPHARMACOLOGY

A. B. Bjornson, R. W. Knippenberg, and H. S. Bjornson
J. R. Cunha-Melo, H. M. S. Gonzaga, H. Ali, F. L. Huang, K.-P. Huang, and M. A. Beaven
H. Ali, D. M. Collado-Escobar, and M. A. Beaven
J. C. Kirchheimer and H. G. Remold
L. C. Pfefferkorn and M. W. Fanger

2609 Bactericidal Defect of Neutrophils in a Guinea Pig Model of Thermal Injury Is Related to Elevation of Intracellular Cyclic-3',5'-Adenosine Monophosphate

2617 Studies of Protein Kinase C in the Rat Basophilic Leukemia (RBL-2H3) Cell Reveal that Antigen-Induced Signals Are Not Mimicked by the Actions of Phorbol Myristate Acetate and Ca2+ Ionophore

2626 The Rise in Concentration of Free Ca2+ and of pH Provides Sequential, Synergistic Signals for Secretion in Antigen-Stimulated Rat Basophilic Leukemia (RBL-2H3) Cells

2634 Endogenous Receptor-Bound Urokinase Mediates Tissue Invasion of Human Monocytes

2640 Transient Activation of the NADPH Oxidase Through FcγRI: Oxidase Deactivation Precedes Internalization of Cross-linked Receptors

MICROBIAL IMMUNOLOGY

V. Barnaba, A. Franco, A. Alberti, C. Balsano, R. Benvenuto, and F. Balsano

2650 Recognition of Hepatitis B Virus Envelope Proteins by Liver-Infiltrating T Lymphocytes in Chronic HBV Infection

2656 Characterization of T Cell Antigens Associated with the Cell Wall Protein-Peptidoglycan Complex of Mycobacterium tuberculosis

Continued on page 5
Continued from page 4

2663 I-A\(^2\) Restricted T Cell Recognition of Influenza Hemagglutinin: Synthetic Peptides Identify Multiple Epitopes Corresponding to Antibody-Binding Regions of the HA1 Subunit

2670 A Protective Monoclonal Antibody Recognizes an Epitope in the Carboxy-terminal Cysteine-Rich Domain in the Precursor of the Major Merozoite Surface Antigen of the Rodent Malarial Parasite, Plasmodium yoelii

2677 Human and Murine Antibodies Cross-Reactive with Streptococcal M Protein and Myosin Recognize the Sequence GLN-lys-ser-lys in M Protein

2684 Assessment of Human Natural Killer and Lymphokine-Activated Killer Cell Cytotoxicity against Toxoplasma gondii Trophozoites and Brain Cysts

2692 Analysis of an Immunodominant Region of Avian Coronavirus Infectious Bronchitis Virus

2699 Immunogenicity of Synthetic Peptides Derived from the Sequences of a Streptococcus mutans Cell Surface Antigen in Nonhuman Primates

2706 Incorporation of Bacterial Peptidoglycan Constituents into Macrophage Lipids during Phagocytosis

MOLECULAR BIOLOGY • MOLECULAR GENETICS

2714 B7, a New Member of the Ig Superfamily with Unique Expression on Activated and Neoplastic B Cells

2723 The Influence of Self-MHC and Non-MHC Antigens on the Selection of an Antigen-Specific T Cell Receptor Repertoire

2730 Nucleotide Sequence of Channel Catfish Heavy Chain cDNA and Genomic Blot Analyses. Implications for the Phylogeny of Ig Heavy Chains

2740 Thymosin-\(\beta\) Gene: Preliminary Characterization and Expression in Tissues, Thymic Cells, and Lymphocytes

2745 HIV Promoter Activity in Primary Antigen-Specific Human T Lymphocytes

2752 VH Gene Family Repertoire of Resting B Cells: Preferential Use of D-Proximal Families Early in Development May Be Due to Distinct B Cell Subsets

2761 Direct Quantitative In Situ Hybridization Studies of Ig VH Utilization: A Comparison between Unstimulated B Cells from Autoimmune and Normal Mice

2768 Comparison of V, Gene Family Expression in Adult and Fetal B Cells

2773 Erratum

2774 Author Index