This information is current as of January 13, 2018.

Why The JI?

- **Rapid Reviews! 30 days** from submission to initial decision
- **No Triage!** Every submission reviewed by practicing scientists
- **Speedy Publication!** 4 weeks from acceptance to publication

*average

**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

E. A. Clark, K. H. Grabstein, and G. L. Shu

D. S. Collins, K. Findlay, and C. V. Harding

J. Kaye, N. J. Vasquez, and S. M. Hedrick

P. Lu, J. A. Garcia-Sanz, M. G. Lichtenheld, and E. R. Podack

M. Partiseti, D. Choquet, A. Diu, and H. Korn

Cultured Human Follicular Dendritic Cells: Growth Characteristics and Interactions with B Lymphocytes

3336 Processing of Exogenous Liposome-Encapsulated Antigens in Vivo Generates Class I MHC-Restricted T Cell Responses

3342 Involvement of the Same Region of the T Cell Antigen Receptor in Thymic Selection and Foreign Peptide Recognition

Perforin Expression in Human Peripheral Blood Mononuclear Cells: Definition of an IL-2-Independent Pathway of Perforin Induction in CD8+ T Cells

Differential Regulation of Voltage- and Calcium-Activated Potassium Channels in Human B Lymphocytes

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

S. A. Bell, M. V. Hobbs, and R. L. Rubin

E. A. Fitzpatrick, S. Bryson, C. Rhoads, A. M. Kaplan, and D. A. Cohen

A. J. Infante, H. Levcoviz, V. Gordon, K. A. Wall, P. A. Thompson, and K. A. Krollick


J. Punnomen, G. G. Aversa, B. Vandekerckhove, M.-G. Roncarolo, and J. E. de Vries


Isotype-Restricted Hyperimmunity in a Murine Model of the Toxic Oil Syndrome

3377 T-Deficient Transmembrane Signaling in CD4+ T Cells of Retroviral-Induced Immune-Deficient Mice

3385 Preferential Use of a T Cell Receptor Vβ Gene by Acetylcholine Receptor Reactive T Cells from Myasthenia Gravis Susceptible Mice

3398 Induction of Isotype Switching and Ig Production by CD5+ and CD10+ Human Fetal B Cells

3405 Characterization and Sequencing of a 40-Amino-Acid Peptide from Human Thyroglobulin-Inducing Experimental Autoimmune Thyroiditis

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

J. S. Bromberg, K. D. Chavin, and S. L. Kunkel

L. S. Casey, A. H. Lichtman, and M. Boothby

L. M. T. Peçanha, C. M. Snapper, A. Lees, and J. J. Mond


A. Severn, N. T. Rapson, C. A. Hunter, and F. Y. Liew


3412 Anti-Tumor Necrosis Factor Antibodies Suppress Cell-Mediated Immunity in Vivo

3418 IL-4 Induces IL-2 Receptor p75 β-Chain Gene Expression and IL-2-Dependent Proliferation in Mouse T Lymphocytes

3427 Lymphokine Control of Type 2 Antigen Response: IL-10 Inhibits IL-5- but not IL-2-Induced Ig Secretion by T Cell-Independent Antigens

3433 Cloning and Expression of Murine IL-12

3441 Regulation of Tumor Necrosis Factor Production by Adrenaline and β-Adrenergic Agonists

3446 Stimulation of Mouse Connective Tissue-Type Mast Cells by Hemopoietic Stem Cell Factor, a Ligand for the c-kit Receptor

Continued on page 5
R. Winzen, D. Wallach, H. Engelmann, Y. Nophar, C. Brakbusch, O. Kemper, K. Resch, and H. Holtmann

3454

Selective Decrease in Cell Surface Expression and mRNA Level of the 55-kDa Tumor Necrosis Factor Receptor during Differentiation of HL-60 Cells into Macrophage-Like but not Granulocyte-Like Cells


3461

Effect of a Single Amino Acid Mutation on the Activating and Immunosuppressive Properties of a “Humanized” OKT3 Monoclonal Antibody


3461

Effect of a Single Amino Acid Mutation on the Activating and Immunosuppressive Properties of a “Humanized” OKT3 Monoclonal Antibody

C. Geisler, B. Rubin, S. Caspar-Bauguil, E. Champagne, A. Vangsted, X. Hou, and M. Gajhede

3469

Structural Mutations of C-Domains in Members of the Ig Superfamily: Consequences for the Interactions between the T Cell Antigen Receptor and the \( \alpha_2 \) Homodimer


3469

Structural Mutations of C-Domains in Members of the Ig Superfamily: Consequences for the Interactions between the T Cell Antigen Receptor and the \( \alpha_2 \) Homodimer

IMMUNOCHEMISTRY


3461

Effect of a Single Amino Acid Mutation on the Activating and Immunosuppressive Properties of a “Humanized” OKT3 Monoclonal Antibody

C. Geisler, B. Rubin, S. Caspar-Bauguil, E. Champagne, A. Vangsted, X. Hou, and M. Gajhede

3469

Structural Mutations of C-Domains in Members of the Ig Superfamily: Consequences for the Interactions between the T Cell Antigen Receptor and the \( \alpha_2 \) Homodimer


3478

Assembly and Transport Properties of Invariant Chain Trimers and HLA-DR-Invariant Chain Complexes


3478

Assembly and Transport Properties of Invariant Chain Trimers and HLA-DR-Invariant Chain Complexes


3478

Assembly and Transport Properties of Invariant Chain Trimers and HLA-DR-Invariant Chain Complexes

IMMUNOPHARMACOLOGY

C. Brodie and E. W. Gelfand

3492

Functional Nerve Growth Factor Receptors on Human B Lymphocytes: Interaction with IL-2

C.-F. Calvo, G. Chavanel, and A. Senik

3498

Substance P Enhances IL-2 Expression in Activated Human T Cells

D. Heumann, P. Gallay, C. Barras, P. Zaech, R. J. Ulevitch, P. S. Tobias, M.-P. Glauser, and J. D. Baumgartner

3505

Control of Lipopolysaccharide (LPS) Binding and LPS-Induced Tumor Necrosis Factor Secretion in Human Peripheral Blood Monocytes


3513

Tyrosine Phosphorylation Is Required for Mast Cell Activation by FceRI Cross-Linking


3520

Regulation of MHC Class I Synthesis and Expression by Human Neutrophils


3528

Differential Responsiveness of Human Neutrophils to the Autocrine Actions of 1-O-Alkyl Homologs and 1-Acyl Analogs of Platelet-Activating Factor

D. G. Raible, E. S. Schulman, J. DiMuzio, R. Cardillo, and T. J. Post

3536

Mast Cell Mediators Prostaglandin-D2 and Histamine Activate Human Eosinophils

M. Stern, L. Meagher, J. Savill, and C. Haslett

3543

Apoptosis in Human Eosinophils: Programmed Cell Death in the Eosinophil Leads to Phagocytosis by Macrophages and is Modulated by IL-5

M.-J. Zhou, H. Poo, R. F. Todd, III, and H. R. Petty

3550

Surface-Bound Immune Complexes Trigger Transmembrane Proximity between Complement Receptor Type 3 and the Neutrophil's Cortical Microfilaments

MICROBIAL IMMUNOLOGY

K. Kapasi and R. D. Inman

3554

HLA-B27 Expression Modulates Gram-Negative Bacterial Invasion Into Transfected L Cells

H.-Y. Lei, Y.-L. Wang, S.-C. Lee, and S.-H. Chen

3560

The Effect of Pepsin Digestion in Relation to the Pre-S Region on Hepatitis B Surface Antigen-Induced Hypersensitivity

Continued from page 3

Continued on page 7
3567 Parallel Regulation of IL-4 and IL-5 in Human Helminth Infections

3572 Vasoactive Intestinal Peptide Stimulates T Lymphocytes to Release IL-5 in Murine Schistosomiasis Mansoni Infection

3578 IL-10 Synergizes with IL-4 and Transforming Growth Factor-β to Inhibit Macrophage Cytotoxic Activity

3583 Fibroblast Stimulation in Schistosomiasis. XII. Identification of CD4+ Lymphocytes within Schistosomal Egg Granulomas as a Source of an Apparently Novel Fibroblast Growth Factor (FsF-1)

3588 In Vitro, *Candida albicans* Releases the Immune Modulator Adenosine and a Second, High-Molecular Weight Agent that Blocks Neutrophil Killing

3596 High Serum IL-6 Level Reflects Susceptible Status of the Host to Endotoxin and IL-1/Tumor Necrosis Factor

3604 Cells Expressing an H Chain Ig Gene Carrying a Viral T Cell Epitope Are Lysed by Specific Cytolytic T Cells

### MOLECULAR BIOLOGY • MOLECULAR GENETICS

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3610</td>
<td>Identification of Sites for Distinct DNA Binding Proteins Including Oct-1 and Oct-2 in the Cr2 Gene</td>
</tr>
<tr>
<td>3618</td>
<td>Structure of the Mouse IL-10 Gene and Chromosomal Localization of the Mouse and Human Genes</td>
</tr>
<tr>
<td>3624</td>
<td>Asymmetric Selection of T Cell Antigen Receptor α- and β-Chains in HLA-B27 Alloreactivity</td>
</tr>
<tr>
<td>3631</td>
<td>Specific VDJ Gene Combinations Contribute to the Specificity of Memory Antibodies to the Phosphorylcholine Hapten</td>
</tr>
<tr>
<td>3636</td>
<td>cDNA for Mo3, a Monocyte Activation Antigen, Encodes the Human Receptor for Urokinase Plasminogen Activator</td>
</tr>
<tr>
<td>3643</td>
<td>Usage of Primary Cells to Delineate IFN-γ-Responsive DNA Elements in the HLA-DRA Promoter and to Identify a Novel IFN-γ-Enhanced Nuclear Factor</td>
</tr>
<tr>
<td>3652</td>
<td>Mechanism of Lipopolysaccharide-Mediated Transcriptional Enhancement of the μ Gene</td>
</tr>
</tbody>
</table>

### TUMOR IMMUNOLOGY

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3658</td>
<td>Functional Heterogeneity between NKR-P1&lt;sup&gt;bright&lt;/sup&gt;/Lycopersicon esculentum lectin (L.E.)&lt;sup&gt;bright&lt;/sup&gt; and NKR-P1&lt;sup&gt;bright&lt;/sup&gt;/L.E.&lt;sup&gt;dim&lt;/sup&gt; Subpopulations of Rat Natural Killer Cells</td>
</tr>
<tr>
<td>3666</td>
<td>H-2K Double Transfectants of Tumor Cells as Antimetastatic Cellular Vaccines in Heterozygous Recipients: Implications for the T Cell Repertoire Mechanisms of Experimental Cancer Cachexia: Interaction between Mononuclear Phagocytes and Colon-26 Carcinoma and Its Relevance to IL-6-Mediated Cancer Cachexia</td>
</tr>
<tr>
<td>3679</td>
<td>Apparent Ineffectiveness of Natural Killer Cells Vis-à-Vis Retrovirus-Infected Targets</td>
</tr>
</tbody>
</table>

Author Index

O. Mandelboim, M. Feldman, and L. Eisenbach
G. Strassmann, C. O. Jacob, R. Evans, D. Beall, and M. Fong
Z.-Y. Zheng and D. Zucker-Franklin