Contents

COMMUNICATION

J. Erikson, J. F. Mushinski, and C. M. Croce  3137  The Locus for the Serum Prealbumin Is Proximal to the Heavy Chain Locus on Mouse Chromosome 12q

CELLULAR IMMUNOLOGY

J. C. Cambier, C. H. Heusser, and M. H. Julius  3140  Abortive Activation of B Lymphocytes by Monoclonal Anti-Immunoglobulin Antibodies
R. L. Riley and N. R. Klinman  3147  The Affinity Threshold for Antigenic Triggering Differs for Tolerance Susceptible Immature Precursors vs Mature Primary B Cells
E. Houssaint, A. Torano, and J. Ivanil  3155  Split Tolerance Induced by Chick Embryo Thymic Epithelium Allografted to Embryonic Recipients
S. Roy, D. P. Gold, and S. Leskowitz  3160  ABA-Specific Responses Are I Region Restricted by the Carriers Used for Immunization
I. Kedar, Y. J. Rosenberg, and A. D. Steinberg  3166  Growth Regulation of Transformed T Cells by Nonactivated Macrophages: The Role of Ia Expression
M. Akasaki, P. Jardieu, and K. Ishizaka  3172  Immunosuppressive Effects of Glycosylation Inhibiting Factor on the IgE and IgG Antibody Response
S. R. Abromson-Leeman, H. Der Simonian, M. Clabby, and H. Cantor  3184  Analysis of Insulin-Specific T Cell Clones. I. Strategy for Production of Clonotypic Antibody
T. Abo, S. Sugawara, A. Amenomori, H. Itoh, H. Rikishi, I. Moro, and K. Kumagai  3189  Selective Phagocytosis of Gram-Positive Bacteria and Interleukin 1-Like Factor Production by a Subpopulation of Large Granular Lymphocytes

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

A. Fischer, A. Durandy, G. Sterkers, and C. Griscelli  3198  Role of the LFA-1 Molecule in Cellular Interactions Required for Antibody Production in Humans
M. Piantelli, L. M. Larocca, F. B. Aiello, N. Maggiano, A. Carbone, F. O. Ranelletti, and P. Musiani  3204  Proliferation of Phenotypically Immature Human Thymocytes with and without Interleukin 2 Receptors
T. Hibi, M. A. Chan, D. Petsche, and H.-M. Dosch  3211  Phenotype, Frequency, and EBV Responsiveness of Human Marrow B and Pre-B Cells

Continued on page 4
Continued from page 3

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3225</td>
<td>HLA-DR Restriction in Suppression of Hematopoiesis by T Cells from Allogenic Bone Marrow Transplants</td>
</tr>
<tr>
<td>3231</td>
<td>Antigenic Modulation of Human Myotube Acetylcholine Receptor by Muscarinic Sera: Serum Titer Determines Receptor Internalization Rate</td>
</tr>
<tr>
<td>3239</td>
<td>Immunoregulatory Molecules and IL 2 Receptors Identified in Multiple Sclerosis Brain</td>
</tr>
<tr>
<td>3246</td>
<td>Modulation of IgM Anti-Lymphocyte Antibody-Reactive T Cell Surface Antigens in Systemic Lupus Erythematosus</td>
</tr>
<tr>
<td>3254</td>
<td>Diabetic BioBreeding/Worcester (BB/Wor) Rats Need Not Be Lymphopenic</td>
</tr>
<tr>
<td>3259</td>
<td>Treatment of NZB/NZW Mice with Total Lymphoid Irradiation: Long-Lasting Suppression of Disease without Generalized Immune Suppression</td>
</tr>
<tr>
<td>3266</td>
<td>Only the Initial Binding of Cationic Immune Complexes to Glomerular Anionic Sites Is Mediated by Charge-Charge Interactions</td>
</tr>
<tr>
<td>3272</td>
<td>Autoimmunity Induced by HgCl₂ in Brown-Norway Rats. I. Production of Monoclonal Antibodies</td>
</tr>
<tr>
<td>3277</td>
<td>Autoimmunity Induced by HgCl₂ in Brown-Norway Rats. II. Monoclonal Antibodies Sharing Specificities and Idiotypes with Mouse Natural Monoclonal Antibodies</td>
</tr>
<tr>
<td>3282</td>
<td>A 44 Kilodalton Cell Surface Homodimer Regulates Interleukin 2 Production by Activated Human T Lymphocytes</td>
</tr>
<tr>
<td>3288</td>
<td>Requirement of Macrophages (Monocytes) for the Induction of Interleukin 2 Receptors on B Lymphocytes</td>
</tr>
<tr>
<td>3292</td>
<td>Estimation by Limiting Dilution Analysis of Human II. 2-Secreting T Cells: Detection of IL 2 Produced by Single Lymphokine-Secreting T Cells</td>
</tr>
<tr>
<td>3298</td>
<td>Contra-IL 2: A Suppressor Lymphokine that Inhibits IL 2 Activity</td>
</tr>
<tr>
<td>3304</td>
<td>Purification to Homogeneity and NH₂-Terminal Amino Acid Sequence of a Novel Interleukin 1 Species Derived from a Human B Cell Line</td>
</tr>
<tr>
<td>3311</td>
<td>Purification and Characterization of a Unique Human Interleukin 1 from the Tumor Cell Line U937</td>
</tr>
<tr>
<td>3317</td>
<td>Interleukin 1 Is Present in Normal Human Epidermis</td>
</tr>
<tr>
<td>3324</td>
<td>Epitope and Functional Specificity of Monoclonal Antibodies to Mouse Interferon-γ: The Synthetic Peptide Approach</td>
</tr>
<tr>
<td>3329</td>
<td>Interferon-γ Binds to High and Low Affinity Receptor Components on Murine Macrophages</td>
</tr>
<tr>
<td>3335</td>
<td>Mechanism of Synergy between T Cell Signals and C8-Substituted Guanine Nucleosides in Humoral Immunity: B Lymphotropic Cytokines Induce Responsiveness to 8-Mercaptoguanosine</td>
</tr>
<tr>
<td>3341</td>
<td>The Role of Class II MHC Molecules in the Activation of Class I-Reactive T Cell Hybridomas</td>
</tr>
<tr>
<td>3346</td>
<td>Effect of T3 Modulation on Pokeweed Mitogen-Induced T Cell Activation: Evidence for an Alternative Pathway of T Cell Activation</td>
</tr>
</tbody>
</table>

Continued on page 5
Continued from page 4

IMMUNOCHEMISTRY

H. Quill, R. H. Schwartz, and L. H. Glimcher 3351 Eα Mutant Antigen-Presenting Cell Lines Expressing Altered Aα Molecules
R. Marrakchi, A. B.-E Gaaied, J. Roland, and P.-A. Cazenave 3360 Allotypy of the Rabbit κ2 Light Chain: Evidence that the κ2 Isotype Is Expressed by all Members of the Rabbit Species
P.-O. Couraud 3365 Structural Analysis of the Epitopes Recognized by Monoclonal Antibodies to Angiotensin II
E. M. Bahraoui, C. Granier, J. Van Rietschoten, H. Rochat, and M. E. Ayeb 3371 Specificity and Neutralizing Capacity of Antibodies Elicited by a Synthetic Peptide of Scorpion Toxin
R. J. Ziccardi 3378 Control of C1 Activation by Nascent C3b and C4b: A Mechanism of Feedback Inhibition
G. Kreuzpaintner, B. Damerau, B. Zimmermann, T. H. Plummer, Jr., and V. Brade 3384 Inactivation of C3a by a Monocarboxypeptidase Present in Culture Supernatants of Stimulated Guinea Pig Peritoneal Macrophages
C. Walker, F. Kristensen, B. M. Stadler, and A. L. de Weck 3390 Endogenous Association of Decay-Accelerating Factor (DAF) with C4b and C3b on Cell Membranes
B. P. Morgan, D. K. Imagawa, J. R. Dankert, and L. E. Ramm 3396 Interference of a C3-Fragment Preparation with IL 2-Dependent Proliferation

IMMUNOPHARMACOLOGY

I. F. Charo, C. Yuen, H. D. Perez, and I. M. Goldstein 3412 Chemotactic Peptides Modulate Adherence of Human Polymorphonuclear Leukocytes to Monolayers of Cultured Endothelial Cells
A. El-Hag, P. E. Lipsky, M. Bennett, and R. A. Clark 3420 Immunomodulation by Neutrophil Myeloperoxidase and Hydrogen Peroxide: Differential Susceptibility of Human Lymphocyte Functions
D. B. Cines, H. van der Keyl, and A. I. Levinson 3433 In Vitro Binding of an IgE Protein to Human Platelets
M. L. Wardlow, C. P. Cox, K. E. Meng, D. E. Greene, and R. S. Farr 3441 Substrate Specificity and Partial Characterization of the PAF-Acylhydrolase in Human Serum that Rapidly Inactivates Platelet-Activating Factor
M. de Boer and D. Roos 3447 Metabolic Comparison between Basophils and Other Leukocytes from Human Blood
J. S. Goodwin and D. Atluru 3455 Mechanism of Action of Glucocorticoid-Induced Immunoglobulin Production: Role of Lipooxygenase Metabolites of Arachidonic Acid
S. B. Goldring, E. P. Amento, M. S. Roelke, and S. M. Krane 3461 The Adenosine 3′:5′-Cyclic Monophosphate Response to Prostaglandin E2 Is Altered in U937 Cells in Association with Maturational Events Induced by Activated T Lymphocytes and 1.25-Dihydroxvitamin D3

MICROBIAL IMMUNOLOGY

K. Takahashi, S. Kishimoto, H. Ohnuma, A. Machida, E. Takai, F. Tsuda, H. Miyamoto, T. Tanaka, K. Matsushita, K. Oda, Y. Mikakawa, and M. Mayumi 3467 Polypeptides Coded for by the Region Pre-S and Gene S of Hepatitis B Virus DNA with the Receptor for Polymerized Human Serum Albumin: Expression on Hepatitis B Particles Produced in the HBeAg or Anti-HBe Phase of Hepatitis B Virus Infection
C. Colmenares and C. Lopez 3473 Enhanced Lysis of Herpes Simplex Virus Type I-Infected Mouse Cell Lines by NC and NK Effectors
J. F. Bukowski and R. M. Welsh 3481 The Role of Natural Killer Cells and Interferon in Resistance to Acute Infection of Mice with Herpes Simplex Virus Type 1
A. Aggarwal and T. E. Nash 3486 Lack of Cellular Cytotoxicity by Human Mononuclear Cells to Giardia

Continued on page 6
MOLECULAR BIOLOGY • MOLECULAR GENETICS


TUMOR IMMUNOLOGY


E. Nakayama, A. Uenaka, A. B. DeLeo, E. Stockert, Y. Obata, R. Ueda, and Y. Inui

Announcements

Author Index