This information is current as of April 24, 2022.
Contents

CELLULAR IMMUNOLOGY

L. K. Richman, A. S. Graeff, R. Yarchoan, and W. Strober 2079 Simultaneous Induction of Antigen-Specific IgA Helper T Cells and IgG Suppressor T Cells in the Murine Peyer's Patch after Protein Feeding

P. C. Harris, R. S. Yamamoto, J. Crane, and G. A. Granger 2165 The Human LT System. X. The Initial Form Released by T-Enriched Lymphocytes is 150,000 m.w., Associated with Small Nonlytic Components, and Can Dissociate into the Smaller α, β, and γ m.w. Classes

S. P. Balk, J. Walker, and M. F. Mescher 2177 Kinetics of Cytolytic T Lymphocyte Binding to Target Cells in Suspension

J. N. Ihle, L. Pepersack, and L. Rebar 2184 Regulation of T Cell Differentiation: In Vitro Induction of 20 α-Hydroxysteroid Dehydrogenase in Splenic Lymphocytes from Athymic Mice by a Unique Lymphokine

G. S. B. Ku, J. P. Quigley, and B. M. Sultzter 2209 Time-Dependent Inhibition of Tuberculin-Induced Lymphocyte DNA Synthesis by a Serine Protease Inhibitor

J. Cerny and M. J. Caulfield 2262 Stimulation of Specific Antibody-Forming Cells in Antigen-Primed Nude Mice by the Adoptive Transfer of Syngeneic Anti-idiotypic T Cells

J. C. Fontaine-Perus, F. M. Calman, C. Kaplan, and N. M. Le Douarin 2310 Seeding of the 10-Day Mouse Embryo Thymic Rudiment by Lymphocyte Precursors in Vitro

G. Strassman and E. Mozes 2317 Specificity of T Cells Mediating Delayed-Type Hypersensitivity Responses to Synthetic Polypeptides


J. K. A. Nicholson and J. S. McDougal 2382 Aggregated IgG-Induced Suppression of in Vitro Antibody Responses: Definition of the Cellular Target(s)

J. L. Greenstein, E. M. Lord, P. Horan, J. W. Kappler, and P. Marrack 2419 Functional Subsets of B Cells Defined by Quantitative Differences in Surface I-A

A. Furman and E. E. Sercarz 2430 The Failure of Nonresponder Mice to Develop IgG Memory Assessed by in Vitro Culture with an Antigen-LPS Conjugate

K.-C. Lee, M. Wong, and D. McIntyre 2474 Characterization of Macrophage Subpopulations Responsive to Activation by Endotoxin and Lymphokines


CLINICAL IMMUNOLOGY

J. A. Cuthbert and P. E. Lipsky 2093 Sterol Metabolism and Lymphocyte Responsiveness: Inhibition of Endogenous Sterol Synthesis Prevents Mitogen-Induced Human T Cell Proliferation

A. Nakane and T. Minagawa 2139 Alternative Induction of IFN-α and IFN-γ by Listeria monocytogenes in Human Peripheral Blood Mononuclear Leukocyte Cultures

C. Franceschi, F. Licastro, M. Chiricolo, F. Bonetti, M. Zannotti, N. Fabris, E. Mocchegiani, M. P. Fantini, P. Paolucci, and M. Masi 2161 Deficiency of Autologous Mixed Lymphocyte Reactions and Serum Thymic Factor level in Down's Syndrome

M. P. N. Nair and S. A. Schwartz 2221 Suppression of Natural Killer Activity and Antibody-Dependent Cellular Cytotoxicity by Cultured Human Lymphocytes

Continued on page 4
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soybean Oil Emulsion Induces a Selective and Reversible Inhibition</td>
<td>2270</td>
</tr>
<tr>
<td>of C2 Production by Human Mononuclear Phagocytes</td>
<td></td>
</tr>
<tr>
<td>The Cell-Mediated Lympholysis-Inducing Capacity of Highly Purified</td>
<td>2275</td>
</tr>
<tr>
<td>Human Monocytes and T Lymphocytes in Primary and Secondary Mixed</td>
<td></td>
</tr>
<tr>
<td>Leukocyte Cultures</td>
<td></td>
</tr>
<tr>
<td>Activation of Autologous Reactive Helper T Lymphocytes for</td>
<td>2485</td>
</tr>
<tr>
<td>Differentiation of Human B Lymphocytes</td>
<td></td>
</tr>
</tbody>
</table>

**IMMUNOCHEMISTRY**

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fc Receptors for IgE on Human and Rat Eosinophils</td>
<td>2087</td>
</tr>
<tr>
<td>Multiple Expression of Ig λ-Chain Encoding RNA Species in Murine</td>
<td>2104</td>
</tr>
<tr>
<td>Plasmacytoma Cells</td>
<td></td>
</tr>
<tr>
<td>A Human T Lymphocyte Differentiation Marker Defined by Monoclonal</td>
<td>2117</td>
</tr>
<tr>
<td>Antibodies That Block E-Rosette Formation</td>
<td></td>
</tr>
<tr>
<td>Serum Antibody-Binding Antibodies Produced during a Primary Antibody</td>
<td>2136</td>
</tr>
<tr>
<td>Response</td>
<td></td>
</tr>
<tr>
<td>Isolation and Partial Characterization of a 72,000-Dalton Glycoprotein</td>
<td>2171</td>
</tr>
<tr>
<td>(Tgp72) on Human Thymus and T Cells: Possible Relationship to Mouse</td>
<td></td>
</tr>
<tr>
<td>Ly-1 Antigens</td>
<td></td>
</tr>
<tr>
<td>Serologic and Structural Characterization of Immunoglobulin Chains</td>
<td>2240</td>
</tr>
<tr>
<td>Secreted by Rabbit-Mouse Hybridomas</td>
<td></td>
</tr>
<tr>
<td>Lymphoid Cell Responses to Bacterial Cell Wall Components: Mitogenic</td>
<td>2279</td>
</tr>
<tr>
<td>Responses of Murine B Cells to Streptococcus mutans Carbohydrate</td>
<td></td>
</tr>
<tr>
<td>Antigens</td>
<td></td>
</tr>
<tr>
<td>Isolation and Characterization of a Mitogenic Substance for Murine and</td>
<td>2290</td>
</tr>
<tr>
<td>Human B Lymphocytes from Ulex europeus Seeds</td>
<td></td>
</tr>
<tr>
<td>The Third Component of Complement: Covalent Attachment of a Radioactive</td>
<td>2370</td>
</tr>
<tr>
<td>Sugar to the Labile Binding Site of C5 via the Alternative Pathway</td>
<td></td>
</tr>
<tr>
<td>Preferential Reactivity of Certain Human and Rabbit IgM and IgG</td>
<td>2373</td>
</tr>
<tr>
<td>Rheumatoid Factors with Mildly Reduced and Amidomethylated IgG</td>
<td></td>
</tr>
<tr>
<td>Glycolipids of Murine Lymphocyte Subpopulations: A Defect in the Levels</td>
<td>2403</td>
</tr>
<tr>
<td>of Sialidase-Sensitive Sialosylated Asialo GM1 in Beige Mouse Lymphocytes</td>
<td></td>
</tr>
<tr>
<td>Fifth Component of Guinea Pig Complement: Purification and</td>
<td>2414</td>
</tr>
<tr>
<td>Characterization</td>
<td></td>
</tr>
<tr>
<td>A Kinetic Analysis of Immune-Mediated Clearance of Erythrocytes</td>
<td>2443</td>
</tr>
<tr>
<td>Macrophage Receptors for IgE: Binding of IgE to Specific IgE Fc</td>
<td>2470</td>
</tr>
<tr>
<td>Receptors on a Human Macrophage Cell Line, U937</td>
<td></td>
</tr>
</tbody>
</table>

**IMMUNOGENETICS AND TRANSPLANTATION**

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endogenously Produced Ia Antigens within Cells of Convoluted Tubules</td>
<td>2109</td>
</tr>
<tr>
<td>of Rat Kidney</td>
<td></td>
</tr>
<tr>
<td>H-2 Negative Teratocarcinoma Cells Become H-2 Positive When Passed</td>
<td>2190</td>
</tr>
<tr>
<td>in Genetically Resistant Host Mice</td>
<td></td>
</tr>
<tr>
<td>Radiation Sensitivity of Human Natural Killer Cell Activity: Control</td>
<td>2236</td>
</tr>
<tr>
<td>by X-Linked Genes</td>
<td></td>
</tr>
<tr>
<td>Gluten-Sensitive Enteropathy. I. The T-Dependent Anti-A-gliadin</td>
<td>2249</td>
</tr>
<tr>
<td>Antibody Response Maps to the Murine Major Histocompatibility</td>
<td></td>
</tr>
<tr>
<td>Locus</td>
<td></td>
</tr>
<tr>
<td>Induction of Surface Qa2 on Lymphoid Cells</td>
<td>2253</td>
</tr>
<tr>
<td>Immune Restoration and/or Augmentation of Local Xenogeneic Graft</td>
<td>2272</td>
</tr>
<tr>
<td>versus Host Reaction by Cimetidine in Vitro</td>
<td></td>
</tr>
<tr>
<td>Significance of Class 1 and Class 2 Major Histocompatibility Complex</td>
<td>2307</td>
</tr>
<tr>
<td>Antigens: Help to Allogeneic K and D Antigen Does Not Involve I</td>
<td></td>
</tr>
<tr>
<td>Recognition</td>
<td></td>
</tr>
<tr>
<td>Genes of the H-2 Complex Regulate the Antibody Response to Murine</td>
<td>2355</td>
</tr>
<tr>
<td>Leukemia Virus</td>
<td></td>
</tr>
</tbody>
</table>

Continued on page 5
Continued from page 4

R. E. Click, D. Schneider, and D. C. Roopenian

Y. G. Alevy, C. Witherspoon, and C. J. Bellone

M. Pierres, J.-P. Rebourah, F. M. Kouriisky, M. Dossotto, P. Mercier, C. Mawas, and B. Malissen

B. Wolf, E. P. Currie, and M. Yarmush

2378 A New Minor Histocompatibility Locus Linked to H-3

2390 Anti-TMA Immunity in Mice. III. Induction of L-Tyrosine p-Azophenyltrimethylammonium (try(TMA)) Specific Helper T Cells by the Monovalent Antigen or Idiotype Antiserum

2424 Cross-Reactions between Mouse Ia and Human HLA-D/DR Antigens Analyzed with Monoclonal Alloantibodies

2490 Expression of Cell-Surface Latent Allotypes: Latent Specificities Are Synthesized Only by Cells That Display the Nominal Allotype

IMMUNOPATHOLOGY

L. B. Schwartz, C. Riedel, J. P. Caulfield, S. I. Wasserman, and K. F. Austen

R. Aksamit, W. Falk, and E. J. Leonard

M. R. Szewczuk, R. J. Campbell, and L. K. Jung

N. P. Stimler, W. E. Brocklehurst, C. M. Bloor, and T. E. Hugli

D. V. Katz, J. H. Kite, Jr., and B. Albini

G. Vranian, Jr., D. H. Conrad, and Shaun Ruddy

N. B. Oza, W. Lieberthal, D. B. Bernard, and N. G. Levinsky

K. J. Johnson and P. A. Ward

2071 Cell Association of Complexes of Chymase, Heparin Proteoglycan, and Protein after Degranulation by Rat Mast Cells

2194 Chemotaxis by Mouse Macrophage Cell Lines

2200 Lack of Age-Associated Immune Dysfunction in Mucosal-Associated Lymph Nodes

2258 Anaphylatoxin-Mediated Contraction of Guinea Pig Lung Strips: A Nonhistamine Tissue Response

2296 Immune Complexes in Tissues of Obese Strain (OS) Chickens

2302 Specificity of C3 Receptors That Mediate Phagocytosis by Rat Peritoneal Mast Cells

2361 Antibody That Recognizes Total Human Urinary Kallikrein: Radioimmunological Determination of Inactive Kallikrein

2365 Role of Oxygen Metabolites in Immune Complex Injury of Lung

2450 Abnormalities of the Thymus in Aged Female (NZB × SJL)F1 Mice: Separation and Characterization of Intrathymic T Cells, B Cells, and Plasma Cells

TUMOR IMMUNOLOGY

P. D. Greenberg, M. A. Cheever, and A. Fefer

D. Taramelli, H. T. Holden, and L. Varesio

R. H. Goldfarb and R. B. Herberman

D. Gemsa, W. Kramer, I. Napierski, E. Bärlin, G. Till, and K. Resch

D. M. Strong, F. Pandolfi, R. B. Slease, J. E. Budd, and J. N. Woody

M. T. Lotze and S. A. Rosenberg

J. E. Talmadge, M. Key, and I. J. Fidler

D. Shochat, R. L. Archev, K. D. Pant, H. L. Dahlan, D. V. Gold, and D. M. Goldenberg

G. J. Roloson, D. E. Haagensen Jr., C. A. Chambers, and D. P. Bolognesi


2100 H-2 Restriction of Adoptive Immunotherapy of Advanced Tumors

2123 In Vitro Induction of Tumoricidal and Suppressor Macrophages by Lymphokines: Possible Feedback Regulation

2129 Natural Killer Cell Reactivity: Regulatory Interactions among Phorbol Ester, Interferon, Cholera Toxin, and Retinoic Acid

2143 Potentiation of Macrophage Tumor Cytostasis by Tumor-Induced Ascites

2205 Antigenic Characterization of a T-CLL with Heteroantisera and Monoclonal Antibodies: Evidence for the T Cell Lineage of an Ia-Positive, Fc-IgG-Positive, Suppressor-Cell Subpopulation

2215 In Vitro Growth of Cytotoxic Human Lymphocytes. III. The Preparation of Lectin-Free T Cell Growth Factor (TCGF) and an Analysis of Its Activity

2245 Macrophage Content of Metastatic and Nonmetastatic Rodent Neoplasms

2284 Characterization of Colon-Specific Antigen-p and Isolation of Immunologically Active Tryptic Peptides

2328 Immunologic Control of the Ascites Form of Murine Adenocarcinoma 755. III. Efficacy of Serum Therapy Is Controlled by a Single Genetic Locus

2332 Immunologic Control of the Ascites Form of Murine Adenocarcinoma 755. IV. Characterization of the Protective Antibody in Hyperimmune Serum

2337 Immunologic Control of the Ascites Form of Murine Adenocarcinoma 755. V. Antibody-Directed Macrophages Mediate Tumor Cell Destruction

Continued on page 6
Continued from page 5

M. F. Poupon, B. Payelle, and G. Lespinats 2342 Adopion of Tumor Immunity: Role of the Major Histocompatibility Complex
A. Hatzubai, D. G. Maloney, and R. Levy 2397 The Use of a Monoclonal Anti-idiotype Antibody to Study the Biology of a Human B Cell Lymphoma
K. O. Lloyd, J. Ng, and W. G. Dipold 2408 Analysis of the Biosynthesis of HLA-DR Glycoproteins in Human Malignant Melanoma Cell Lines
J. F. Jones, J. A. Titus, and D. M. Segal 2457 Antibody-Dependent, Cell-Mediated Cytolysis (ADCC) with Antibody-Coated Effectors: Rat and Human Effectors versus Tumor Targets
A. W. Boyd, J. W. Goding, and J. W. Schrader 2461 The Regulation of Growth and Differentiation of a Murine B Cell Lymphoma. I. Lipopolysaccharide-Induced Differentiation
A. W. Boyd and J. W. Schrader 2466 The Regulation of Growth and Differentiation of a Murine B Cell Lymphoma. II. The Inhibition of WEHI 231 by Anti-Immunoglobulin Antibodies

VIRAL AND MICROBIAL IMMUNOLOGY

T. Diamantstein, M. Klos, D. Gold, and H. Hahn 2084 Interaction between Entamoeba histolytica and the Immune System. I. Mitogenicity of Entamoeba histolytica Extracts for Human Peripheral T Lymphocytes
E. Piccolella, G. Lombardi, and R. Morelli 2151 Generation of Suppressor Cells in the Response of Human Lymphocytes to a Polysaccharide Purified from Candida albicans
E. Piccolella, G. Lombardi, and R. Morelli 2156 Mitogenic Response of Human Peripheral Blood Lymphocytes to a Purified C. albicans Polysaccharide Fraction: Lack of Helper Activities is Responsible for the in Vitro Unresponsiveness to a Second Antigenic Challenge
E. J. Brown, S. W. Hosea, and M. M. Frank 2230 The Role of Complement in the Localization of Pneumococci in the Splanchnic Reticuloendothelial System during Experimental Bacteremia
J. Choppin, L. Schaffer-Deshayes, P. Debré, and Jean-Paul Lévy 2347 Lymphoid Cell Surface Receptor for Moloney Leukemia Virus Envelope Glycoprotein gp71. I. Binding Characteristics
L. Schaffer-Deshayes, J. Choppin, and J.-P. Lévy 2352 Lymphoid Cell Surface Receptor for Moloney Leukemia Virus Envelope Glycoprotein gp71. II. Isolation of the Receptor
F. M. Hatcher and R. E. Kuhn 2436 Spontaneous Lytic Activity against Allogeneic Tumor Cells and Depression of Specific Cytotoxic Responses in Mice Infected with Trypanosoma cruzi

COMMUNICATIONS

M. Aikawa, N. Yoshida, R. S. Nussenzweig, and V. Nussenzweig 2494 The Protective Antigen of Malarial Sporozoites (Plasmodium berghei) Is a Differentiation Antigen
C. Y. Lu, E. Peters, and E. R. Unanue 2496 Ia-Bearing Macrophages in Athymic Mice: Antigen Presentation and Regulation

Announcements 2499
Errata 2501
Author Index 2505
Ad Hoc Reviewers 2507
Author Index to Volume 125 2509
Subject Index to Volume 125 2514