126 (6)

*average

Why The JI? Submit online.

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

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

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. Sultzer 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. Cal- 2310 Seeding of the 10-Day Mouse Embryo Thymic Rudiment by Lymphocyte Precursors in Vitro man, C. Kaplan, and N. M. Le Douarin

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

Published monthly by The Williams & Wilkins Co., 428 E. Preston St., Baltimore, Md. 21202, U.S.A.

Subscription price $115.00 individuals, $135.00 institutions, single issue $12.00

Second class postage paid at Baltimore, Md. 21202 and at additional mailing offices.
### IMMUNOCHEMISTRY

<table>
<thead>
<tr>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>R. C. Schwartz, G. E. Sonenshein, A. Bothwell, and M. L. Gefter</td>
<td>2104</td>
</tr>
<tr>
<td>J. S. Cowdery and A. D. Steinberg</td>
<td>2136</td>
</tr>
<tr>
<td>Y. Ishii, J. Fujimoto, H. Koshiba, and K. Kikuchi</td>
<td>2171</td>
</tr>
<tr>
<td>N. Yamaguchi, K. Yoshimatsu, S. Toyoshima, and T. Osawa</td>
<td>2290</td>
</tr>
<tr>
<td>C. S. Brown and J. C. Brown</td>
<td>2373</td>
</tr>
<tr>
<td>G. A. Schwartz and A. Gajewski</td>
<td>2403</td>
</tr>
<tr>
<td>T. Kinoshita, K. Hong, K. Kondo, and K. Inoue</td>
<td>2414</td>
</tr>
<tr>
<td>N. L. Meryhew and O. A. Runquist</td>
<td>2443</td>
</tr>
<tr>
<td>C. L. Anderson and H. L. Spiegel-berg</td>
<td>2470</td>
</tr>
</tbody>
</table>

### IMMUNOGENETICS AND TRANSPLANTATION

<table>
<thead>
<tr>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>D. N. J. Hart and J. W. Fabre</td>
<td>2109</td>
</tr>
<tr>
<td>S. Ostrand-Rosenberg and V. L. Cohan</td>
<td>2190</td>
</tr>
<tr>
<td>C. Brovall and B. Schacter</td>
<td>2236</td>
</tr>
<tr>
<td>P. E. TrefTs and M. F. Kagnoff</td>
<td>2249</td>
</tr>
<tr>
<td>R. S. Rosenson, L. Flaherty, and C. L. Reilnach</td>
<td>2253</td>
</tr>
<tr>
<td>G. M. Mavligit, D. B. Calvo III, Y. Z. Patt, and E. M. Hersh</td>
<td>2272</td>
</tr>
<tr>
<td>S. L. Swain</td>
<td>2307</td>
</tr>
<tr>
<td>A. Vlug, H. J. Schoenmakers, and C. J. M. Melief</td>
<td>2355</td>
</tr>
</tbody>
</table>

*Continued from page 3*

<table>
<thead>
<tr>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>G. B. Kolski and R. C. Strunk</td>
<td>2267</td>
</tr>
<tr>
<td>H. Spits, J. E. de Vries, and C. Terhorst</td>
<td>2275</td>
</tr>
<tr>
<td>H.-S. Shin, C.-Y. Wang, and Y. S. Choi</td>
<td>2485</td>
</tr>
</tbody>
</table>

**Soybean Oil Emulsion Induces a Selective and Reversible Inhibition of C2 Production by Human Mononuclear Phagocytes**

**The Cell-Mediated Lympholysis-Inducing Capacity of Highly Purified Human Monocytes and T Lymphocytes in Primary and Secondary Mixed Leukocyte Cultures**

**Activation of Autologous Reactive Helper T Lymphocytes for Differentiation of Human B Lymphocytes**

*Continued on page 5*
Continued from page 4

R. E. Click, D. Schneider, and D. C. Roopenian
Y. G. Alely, C. Witherspoon, and C. J. Bellone
M. Pierres, J.-P. Rebourah, F. M. Kourilsky, M. Dosseto, P. Mercier, C. Mawas, and B. Malissen
B. Wolf, E. P. Currie, and M. Yamash

2378 A New Minor Histocompatibility Locus Linked to H-3
2390 Anti-TMA Immunity in Mice. III. Induction of L-Tyrosine  6-Azophenyltrimethylammonium (try(TMA)) Specific Helper T Cells by the Monovalent Antigen or Idiotype Antisera
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. 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 X 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. Napierkowski, 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. Arcey, K. D. Pant, H. L. Dahlin, 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

A. Hatzubai, D. G. Maloney, and R. Levy

K. O. Lloyd, J. Ng, and W. G. Dippold

J. F. Jones, J. A. Titus, and D. M. Segal

A. W. Boyd, J. W. Goding, and J. W. Schrader

A. W. Boyd and J. W. Schrader

Adoption of Tumor Immunity: Role of the Major Histocompatibility Complex

The Use of a Monoclonal Anti-idiotype Antibody to Study the Biology of a Human B Cell Lymphoma

Analysis of the Biosynthesis of HLA-DR Glycoproteins in Human Malignant Melanoma Cell Lines

Antibody-Dependent, Cell-Mediated Cytolysis (ADCC) with Antibody-Coated Effectors: Rat and Human Effectors versus Tumor Targets

The Regulation of Growth and Differentiation of a Murine B Cell Lymphoma. I. Lipopolysaccharide-Induced Differentiation

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


E. Piccolella, G. Lombardi, and R. Morelli

E. Piccolella, G. Lombardi, and R. Morelli

E. J. Brown, S. W. Hosea, and M. M. Frank

J. Choppin, L. Schaffar-Deshayes, P. Debré, and Jean-Paul Levy

L. Schaffar-Deshayes, J. Choppin, and J.-P. Levy

F. M. Hatcher and R. E. Kuhn

Interaction between Entamoeba histolytica and the Immune System. I. Mitogenicity of Entamoeba histolytica Extracts for Human Peripheral T Lymphocytes

Analysis of T Lymphocyte Subsets in Cytomegalovirus Mononucleosis

Generation of Suppressor Cells in the Response of Human Lymphocytes to a Polysaccharide Purified from Candida albicans

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

The Role of Complement in the Localization of Pneumococci in the Splanchnic Reticuloendothelial System during Experimental Bacteremia

Lymphoid Cell Surface Receptor for Moloney Leukemia Virus Envelope Glycoprotein gp71. I. Binding Characteristics

Lymphoid Cell Surface Receptor for Moloney Leukemia Virus Envelope Glycoprotein gp71. II. Isolation of the Receptor

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. Nussenweig, and V. Nussenweig

C. Y. Lu, E. Peters, and E. R. Unanue

Announcements

Errata

Author Index

Ad Hoc Reviewers

Author Index to Volume 125

Subject Index to Volume 125

The Protective Antigen of Malarial Sporozoites (Plasmodium berghei) is a Differentiation Antigen

Ia-Bearing Macrophages in Athymic Mice: Antigen Presentation and Regulation

2342

2397

2408

2457

2461

2466

2084

2114

2151

2156

2230

2347

2352

2436

2494

2496

2499

2501

2505

2507

2509

2514