Contents

CELLULAR IMMUNOLOGY

N. Haeffner-Cavaillon, R. Chaby, J-M. Cavaillon, and L. Szabó 1950 Lipopolysaccharide Receptor on Rabbit Peritoneal Macrophages. I. Binding Characteristics

L. D. Butler, S. D. Miller, and H. N. Claman 1963 Unresponsiveness in Hapten-Specific Cytotoxic Lymphocytes. II. Ability of Various TNP-Congeneres to Induce Unresponsiveness after Repeated Treatments Beginning at Birth

S. H. Herrmann, O. Weinberger, S. J. Burakoff, and M. F. Mescher 1968 Analysis of the Two-Signal Requirement for Precursor Cytotoxic T Lymphocyte Activation Using H-2K<sup>+</sup> in Liposomes


M. S. Klemper and R. E. Rockin 2040 Specific Binding of Leukocyte Inhibitory Factor to Neutrophil Plasma Membranes


G. Jennings and K. Shortman 2095 Antigen-Initiated B Lymphocyte Differentiation. XX. Colony-Forming B Lymphocytes Are Not Identical with the Intermediate, "Pre-progenitor" Subset of Primary or Secondary B Cells

M. O. Dailey, C. G. Fathman, E. C. Butcher, E. Pillemer, and I. Weissman 2134 Abnormal Migration of T Lymphocyte Clones

T. A. Luger, B. M. Stadler, B. M. Luger, B. J. Mathieson, M. Mage, J. A. Schmidt, and J. J. Oppenheim 2147 Murine Epidermal Cell-Derived Thymocyte-Activating Factor Resembles Murine Interleukin 1

B. K. Mookerjee and C. Y. Jung 2153 The Effects of Cytochalasins on Lymphocytes: Mechanism of Action of Cytochalasin A on Responses to Phytomitogens

J. A. Schmidt, S. B. Mizel, D. Cohen, and I. Green 2177 Interleukin 1, a Potential Regulator of Fibroblast Proliferation

S. V. S. Gollapudi and M. Kern 2206 A Novel Mitogen Released by Lipid A-Stimulated Bone Marrow Cells

B. A. Torres, W. L. Farrar, and H. M. Johnson 2217 Interleukin 2 Regulates Immune Interferon (IFNγ) Production by Normal and Suppressor Cell Cultures

R. V. Rouse, J. A. Ledbetter, and I. L. Weissman 2243 Mouse Lymph Node Germinal Centers Contain a Selected Subset of T Cells—The Helper Phenotype

A. Cohen and Z. Kimchi 2253 Regulation of Macrophage-Mediated Suppression by Purine Nucleoside Phosphorylase Substrates

R. A. Miller and O. Stutman 2258 Enumeration of IL 2-Secreting Helper T Cells by Limiting Dilution Analysis, and Demonstration of Unexpectedly High Levels of IL 2 Production per Responding Cell

G. Boltz-Nitulescu, J. M. Plummer, and H. L. Spiegelberg 2265 Fc Receptors for IgE on Mouse Macrophages and Macrophage-Like Cell Lines

M-K Ho and T. A. Springer 2281 Mac-1 Antigen: Quantitative Expression in Macrophage Populations and Tissues, and Immunofluorescent Localization in Spleen

B. A. Kyewski and H. S. Kaplan 2287 Lymphoepithelial Interactions in the Mouse Thymus: Phenotypic and Kinetic Studies on Thymic Nurse Cells

N. E. Phillips and P. A. Campbell 2319 IgG Subclass Distribution of Anti-Sheep Red Blood Cell Plaque-Forming Cells in Mice with the CBA/N Defect

M. L. Thoman and W. O. Weigle 2358 Cell-Mediated Immunity in Aged Mice: An Underlying Lesion in IL 2 Synthesis

Continued on page 4
J. J. Fothergill, R. Wistar, Jr., J. N. Woody, and D. C. Parker  
E. E. Uzgiris, S. H. Lockwood, and J. H. Kaplan  
G. Tosato, S. E. Pike, I. R. Koski, and R. M. Blaese  
D. A. Campbell, Jr., J. R. Oehler, C. T. Tsai, A. F. LoBuglio, and J. E. Niederhuber  
R. Tung and L. M. Lichtenstein  
N. E. Goeken  
D. M. Ford, A. Hamblin, and D. R. Burger  
J. H. Morse, P. H. Ehrlich, and R. E. Canfield  
C. L. Miller, C. J. Graziano, and R. C. Lim  
T. L. Gerrard and A. S. Fauci  

1945 A Mitogen for Human B Cells: Anti-Ig Coupled to Polycrylamide Beads Activates Blood Mononuclear Cells Independently of T Cells  
1975 Oscillation of Cell Surface Charge of Human Peripheral Blood Lymphocytes after Stimulation with Concanavalin A  
1979 Characterization of Two Subsets of Human Tγ Cells  
1986 Selective Inhibition of Immunoregulatory Cell Functions by Cyclosporin A  
2057 Effect of Mouse Anti-I Region Antiserum and Complement on Human Mononuclear Cell Response to Concanavalin A  
2067 In Vitro Histamine Release from Basophils of Asthmatic and Atopic Individuals in D2O  
2081 Activity of Concanavalin A-Induced Suppressor Cells in Human MLR: Differential Effects on Primary MLR, Secondary MLR, and Memory Cell Precursors  
2170 Sensitization of Human Lymphocytes in Vitro: Genetic Restriction of Secondary T Cell Responses is Dictated by the HLA-DR Phenotype of Antigen-Presenting Cells  
2187 Extracts of Pregnancy Urine Contain a Mitogen for Human Peripheral Blood Lymphocytes (PBL)  
2194 Human Monocyte Plasminogen Activator Production: Correlation to Altered Mφ-T Lymphocyte Interaction  
2367 Activation and Immunoregulation of Antigen-Specific Human B Lymphocyte Responses: Multifaceted Role of the Monocyte  

E. P. Cowan, B. D. Schwartz, and S. E. Cullen  
E. Pearlstein, J. Sorvillo, and I. Gigli  
K-H Lee Hsu, R. N. Hiramoto, and V. K. Ghanta  
G. N. Callahan, W. J. Martin, and D. Pardi  
T. A. Brown, M. W. Russell, and J. Mestecky  
H. A. Stafford, K. L. Knight, and M. W. Fanger  
R. A. Wetsel and W. P. Kolb  
A. Rifai, D. S. Finbloom, D. B. Magilavy, and P. H. Plotz  
D. D. Richman, P. H. Cleveland, M. N. Oxman, and K. M. Johnson  
R. Vander-Mallie, T. Ishizaka, and K. Ishizaka  
J. Melamed, M. A. Arnaout, and H. R. Cotlen  
D. R. Karp, J. D. Capra, J. P. Atkinson, and D. C. Shreffler  
V. G. Cabana, H. Gewurz, and J. N. Siegel  

2019 Murine I-Aα α-Chain Subspecies with Glycosylation Differences  
2036 The Interaction of Human Plasma Fibronectin with a Subunit of the First Component of Complement, C1q  
2107 Immunosuppressive Effect of Mouse Serum Lipoproteins. II. In Vivo Studies  
2116 Biochemical Comparison of MHC Antigens Isolated from Mutant C3HfB/HeN and Parent C3H/HeN Mice  
2183 Hepatobiliary Transport of IgA Immune Complexes: Molecular and Cellular Aspects  
2201 Receptors for IgA on Rabbit Lymphocytes. II. Characterization of Their Binding Parameters for IgA  
2209 Complement-Independent Activation of the Fifth Component (C5) of Human Complement: Limited Trypsin Digestion Resulting in the Expression of Biologic Activity  
2269 Modulation of the Circulation and Hepatic Uptake of Immune Complexes by Carbohydrate Recognition Systems  
2300 The Binding of Staphylococcal Protein A by the Sera of Different Animal Species  
2306 Lymphocytes Bearing Fc Receptors for IgE. VIII. Affinity of Mouse IgE for Fc, R on Mouse B Lymphocytes  
2313 Complement (C3b) Interaction with the Human Granulocyte Receptor: Correlation of Binding of Fluid-Phase Radiolabeled Ligand with Histaminase Release  
2336 Structural and Functional Characterization of an Incompletely Processed Form of Murine C4 and Sip  
2342 Interaction of Very Low Density Lipoproteins (VLDL) with Rabbit C-Reactive Protein  
2353 Membrane Attack Complex of Complement (MAC): Three-Dimensional Analysis of MAC-Phospholipid Vesicle Recombinants  

Continued on page 5
Continued from page 4

**IMMUNOGENETICS AND TRANSPLANTATION**

M. L. Markert and P. Cresswell 1999 Human B Cell Alloantigens: α Subunit Variability
M. L. Markert and P. Cresswell 2004 Human B Cell Alloantigens: Expression of MB and MT Determinants
V. Hauptfeld, T. J. Braciale, and D. C. Shreffler 2026 Differences in Expression of MHC Products between Several H-2-Restricted CTL Clones
H-D Chen and W. K. Silvers 2044 Studies on the Behavior of H-Y Incompatible Skin Grafts in Rats
A. V. Muchmore, J. M. Decker, and D. L. Mann 2063 Evidence That Antisera That React with Products of the Human HLA-DR Locus May Block in Vitro Antigen-Induced Proliferation by Inducing Suppression
L. M. Rose, M. Goldman, and P-H. Lambert 2126 The Production of Anti-Idiotypic Antibodies and of Idiotype Anti-Idiotype Immune Complexes after Polyclonal Activation Induced by Bacterial LPS
E. Walker, N. L. Warner, R. Cheshnut, J. Kappler, and P. Marrack 2164 Antigen-Specific, I Region-Restricted Interactions in Vitro between Tumor Cell Lines and T Cell Hybridomas
J. L. Press 2236 H-2 Haplotype-Specific Conversion of the Ir Gene Phenotype Expressed by Low-Responder Mice Immunized with a p-Azophenylarsionate Conjugate of (T,G)-A--L
D. S. Pisetsky, S. A. Caster, J. B. Roths, and E. D. Murphy 2322 Ipr Gene Control of the Anti-DNA Antibody Response
B. T. Huber, T. H. Hansen, R. R. Skelly, and D. A. Thorley-Lawson 2349 lα.W39 Expression Correlates with a Specific Ir Function
O. Kanagawa, J. Louis, and J-C. Cerottini 2362 Frequency and Cross-Reactivity of Cytolytic T Lymphocyte Precursors Reacting against Male Alloantigens

**IMMUNOPATHOLOGY**

T. Yasaka, L. A. Boxer, and R. L. Baehner 1939 Monocyte Aggregation and Superoxide Anion Release in Response to Formyl-Methionyl-Leucyl-Phenylalanine (FMLP) and Platelet-Activating Factor (PAF)
S. Razuddin, R. F. Kibler, and D. C. Morrison 2073 Immunosuppression of Experimental Allergic Encephalomyelitis. III. In Vitro Evidence for Induction of Suppressor T Lymphocytes in Draining Lymph Node Cells of Animals Immunized with Myelin Basic Protein Complexed to Lipopolysaccharides
A. Nakanishi, Y. Imai, T. Nakano, and T. Osawa 2137 Induction of Autoimmune Phenomena in Normal Mice Treated with Natural Thymocyte Autoantibody
Y. Ohsugi, M. E. Gershwin, A. Ahmed, R. R. Skelly, and D. R. Milich 2220 Studies of Congenitally Immunologic Mutant New Zealand Mice. VI. Spontaneous and Induced Autoantibodies to Red Cells and DNA Occur in New Zealand X-Linked Immunodeficient (Xid) Mice without Phenotypic Alterations of the Xα Gene or Generalized Polyclonal B Cell Activation
M. H. De Baets, B. Einarson, J. M. Lindstrom, and W. O. Weigle 2228 Lymphocyte Activation in Experimental Autoimmune Myasthenia Gravis
N. P. Stimler, M. K. Bach, C. M. Bloor, and T. E. Hugli 2247 Release of Leukotrienes from Guinea Pig Lung Stimulated by C5a des Arg Anaphylatoxin

**MICROBIAL IMMUNOLOGY**

A. U. Krettli and Z. Broner 2009 Resistance against Trypanosoma cruzi Associated to Anti-living Trypomastigote Antibodies
B. C. Cole, G. J. Sullivan, R. A. Daynes, I. A. Sayed, and J. R. Ward 2013 Stimulation of Mouse Lymphocytes by a Mitogen Derived from Mycoplasma arthritidis. II. Cellular Requirements for T Cell Transformation Mediated by a Soluble Mycoplasma Mitogen
D. E. Briles, M. Nahm, T. N. Marion, R. M. Perlmutter, and J. M. Davie 2032 Streptococcal Group A Carbohydrate Has Properties of Both A Thymus-Independent (T1-2) and A Thymus-Dependent Antigen
G. D. Bickle and M. J. Ford 2101 Studies on the Surface Antigenicity and Susceptibility to Antibody-Dependent Killing of Developing Schistosomula Using Sera from Chronically Infected Mice and Mice Vaccinated with Irradiated Cercariae

Continued on page 6
Continued from page 5


G. B. Pier and R. B. Markham

N. Nogueira, S. Chapman, M. Reesink, J. Tydings, and Z. A. Cohn

C. S. Reiss, M. E. Dorf, B. Benacerraf, and S. J. Burakoff

2111 Expression on Normal Lymphocytes of Two Cell Surface Antigens, XenCSA and Gcx, Related to the Major Glycoproteins (gp70) of Murine Leukemia Viruses

2121 Induction in Mice of Cell-Mediated Immunity to Pseudomonas aeruginosa by High Molecular Weight Polysaccharide and Vinblastine

2142 Trypanosoma cruzi: Induction of Microbicidal Activity in Human Mononuclear Phagocytes

2295 Genetic Control of the Cytolytic T Lymphocyte Response to Influenza Viruses: H-2D Genes Influence the Response to H-2Kβ Plus Virus

TUMOR IMMUNOLOGY

J. A. Roth, E. A. Grimm, R. K. Gupta, and R. S. Ames


C. Chang, R. Chang, P. T. Mora, and C-P Hu


1955 Immunoregulatory Factors Derived from Human Tumors. I. Immunologic and Biochemical Characterization of Factors That Suppress Lymphocyte Proliferative and Cytotoxic Responses in Vitro

2087 Mechanisms of Immune Lysis. III. Characterization of the Nature and Kinetics of the Cytotoxic T Lymphocyte-Induced Nuclear Lesion in the Target

2160 Generation of Cytotoxic Lymphocytes by SV40-Induced Antigens

2276 Modulation of Chronic Lymphocytic Leukemia Cells by Phorbol Ester: Increase in Ia Expression, IgM Secretion and MLR Stimulatory Capacity

2326 Characterization of Five Cloned Murine Cell Lines Showing High Cytolytic Activity against YAC-1 Cells

COMMUNICATIONS

E. J. Eichwald, C. Jorgensen, and G. Graves

J. Yother, J. E. Volanakis, and D. E. Briles

J. L. Komisar, J. A. Fuhrman, and J. J. Cebra

D. G. Hanson and S. D. Miller

2373 Cell-Mediated Hyperacute Rejection. IV. Lyt Markers and Adoptive Transfer

2374 Human C-Reactive Protein Is Protective against Fatal Streptococcus pneumoniae Infection in Mice

2376 IgA-Producing Hybridomas Are Readily Derived from Gut-Associated Lymphoid Tissue

2378 Inhibition of Specific Immune Responses by Feeding Protein Antigens. V. Induction of the Tolerant State in the Absence of Specific Suppressor T Cells

Announcements

Erratum

Author Index

In accordance with the decision of the Council of the American Association of Immunologists, effective with Volume 128, No. 1, January 1982, authors will be charged $55 for each printed page of an article or a Communication.

We regret the printer’s error of $45 in the Information for Contributors.