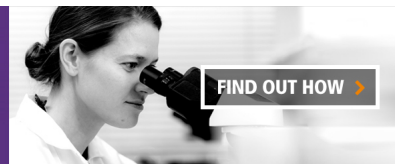


**SUCCESSFUL SCIENTISTS ARE NOT JUST SMART.
THEY WORK SMART.**



117 (5 Part 1)

J Immunol 1976; 117:1413-1740; ;
http://www.jimmunol.org/content/117/5_Part_1.citation

This information is current as
of March 19, 2018.

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

**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>

The Journal of Immunology is published twice each month by
The American Association of Immunologists, Inc.,
1451 Rockville Pike, Suite 650, Rockville, MD 20852
All rights reserved.
Print ISSN: 0022-1767 Online ISSN: 1550-6606.



THE JOURNAL OF IMMUNOLOGY®

Contents for November

1413 **Presidential Address**

CELLULAR IMMUNOLOGY

- 1429 **Characterization of Lymphocyte Inhibition by Supernatants of Crowded Lymphocytoblasts.** *Stanley S. Green and Richard Wistar, Jr.*
- 1434 **A Human T-Independent B Lymphocyte Mitogen Extracted from *Nocardia opaca*.** *Jean Brochier, Constantin Bona, Rita Ciorbaru, Jean-Pierre Revillard, and Louis Chedid*
- 1464 **Interaction of K Lymphocytes with Myeloma Proteins of Different IgG Subclasses.** *Hans L. Spiegelberg, Hedvig Perlmann, and Peter Perlmann*
- 1503 **Identification of Multiple Cytolytic Components Associated with the β -LT Class of Lymphotoxins Released by Mitogen-Activated Human Lymphocytes in Vitro.** *John C. Hiserodt, Daryl S. Fair, and G. A. Granger*
- 1519 **The Induction of Hapten-Specific T Cell Tolerance by Using Hapten-Modified Lymphoid Cells. I. Characteristics of Tolerance Induction.** *Stephen D. Miller and Henry N. Claman*
- 1527 **Anti-immunoglobulin Stimulation of Murine Lymphocytes. II. Identification of Cell Surface Target Molecules and Requirements for Cross-Linkage.** *Howard L. Weiner, John W. Moorhead, Karen Yamaga, and Ralph T. Kubo*
- 1538 **The T Cell Dependence of B Cell Differentiation Induced by Pokeweed Mitogen.** *Richard G. Keightley, Max D. Cooper, and Alexander R. Lawton*
- 1594 **The Induction and Regulation of Guinea Pig B Lymphocyte Proliferation in Vitro.** *Peter E. Lipsky and Alan S. Rosenthal*
- 1603 **Analysis of the Cross-reactive Immune Suppression Induced by the Random Copolymers L-Glutamic Acid⁵⁰-L-Tyrosine⁵⁰ (GT), L-Glutamic Acid⁶⁰-L-Alanine⁴⁰ (GA), and L-Glutamic Acid⁶⁰-L-Alanine³⁰-L-Tyrosine¹⁰ (GAT).** *Carl Waltenbaugh, Patrice Debré, and Baruj Benacerraf*
- 1608 **Regulation of the Primary Immune Response in Vivo by Parathyroid Hormone.** *S. H. H. Swierenga, J. P. MacManus, B. M. Braceland, and T. Youdale*
- 1618 **Ontogeny of the Antibody-Forming Cell Line in Mice. II. Maturation of B Cells during Fetal Development.** *Yvonne J. Rosenberg and Alastair J. Cunningham*
- 1622 **Hapten-Specific IgE Antibody Responses in Mice. V. Differential Resistance of IgE and IgG B Lymphocytes to X-Irradiation.** *David A. Fox, Nicholas Chiorazzi, and David H. Katz*
- 1629 **Hapten-Specific IgE Antibody Responses in Mice. VI. Selective Enhancement of IgE Antibody Production by Low Doses of X-Irradiation and by Cyclophosphamide.** *Nicholas Chiorazzi, David A. Fox, and David H. Katz*
- 1644 **Suppression of in Vitro Lymphocyte Stimulation in Mice by Uterine and Placental Extracts.** *Nicola M. Kouttab, Arnold K. Fowler, James E. Strickland, and Alfred Hellman*
- 1651 **Guinea Pig Lymphocyte-Derived Macrophage Aggregation Factor: Its Separation from Macrophage Migration Inhibitory Factor.** *Arnold E. Postlethwaite and Andrew H. Kang*
- 1656 **The Involvement of Cyclic Nucleotide Metabolism in the Initiation of Lymphocyte Proliferation Induced by Mitogens.** *James Watson*
- 1711 **Carrier-Dependent Selection of Antibody Clones and Classes during the Immune Response.** *H. Kolb*
- 1716 **Characterization of Macrophage Migration Inhibitory Factor Activity Produced in Vivo by a Cell-Mediated Immune Reaction in the Guinea Pig.** *Arnold E. Postlethwaite, Alexander S. Townes, and Andrew H. Kang*
- 1721 **Antibody-Mediated Basophil Accumulations in Cutaneous Hypersensitivity Reactions of Guinea Pigs.** *Philip W. Askenase, J. David Haynes, and Betty J. Hayden*

CLINICAL IMMUNOLOGY

- 1472 **The Effector Cells in Human Peripheral Blood Mediating Mitogen-Induced Cellular Cytotoxicity and Antibody-Dependent Cellular Cytotoxicity.** *David L. Nelson, Bonita M. Bundy, Howard E. Pitchon, R. Michael Blaese, and Warren Strober*
- 1684 **Abnormalities of Cellular Immune Response in Arthritis Induced by Rubella Vaccination.** *Yasuo Chiba, Esmaeel Sadeghi, and Pearay L. Ogra*
- 1705 **The Inhibition of Initial Steps of Lymphocyte Transformation by Cytochalasin B.** *Klaus Resch, Marlot Prester, Ernst Ferber, and Erwin W. Gelfand*
- 1731 **Identification of T and B Cell Subpopulations in Human Peripheral Blood: Electrophoretic Mobility Distributions Associated with Surface Marker Characteristics.** *Joel H. Kaplan and E. E. Uzgiris*

IMMUNOCHEMISTRY

- 1440 **Activation of the Complement Attack Mechanism in the Fluid Phase and Its Control by C567-INH: Lysis of Normal Erythrocytes Initiated by Zymosan, Endotoxin, and Immune Complexes.** *Thomas F. Lint, Carole L. Behrends, Patricia J. Baker, and Henry Gewurz*
- 1482 **Cell Membrane Antigen Isolation with the Staphylococcal Protein A-Antibody Adsorbent.** *Steven W. Kessler*
- 1491 **Investigations of the Complement-Fixing Sites of Immunoglobulins.** *Brian J. Johnson and Kenneth E. Thames*
- 1567 **B Cell Differentiation Induced by Lipopolysaccharide. IV. Development of Immunoglobulin Class Restriction in Precursors of IgG-Synthesizing Cells.** *John F. Kearney, Max D. Cooper, and Alexander R. Lawton*
- 1573 **Disparity of IgE Binding between Normal and Tumor Mouse Mast Cells.** *Guillermo R. Mendoza and Henry Metzger*
- 1579 **Cell Surface Immunoglobulin. XIX. Susceptibility of IgD and IgM on Murine Splenocytes to Cleavage by Papain.** *Ellen S. Vitetta and Jonathan W. Uhr*
- 1638 **Contrasting Effects of BCG on Spleen and Lymph Node Antibody Responses in Nude and Normal Mice.** *Bernard H. Doft, Bruce Merchant, Lynne Johannessen, Sotiros D. Chaparas, and Neal A. Sher*
- 1664 **Immunogenicity of Fab Fragment of Protein-315 for BALB/c Mice.** *Rachaneepas Tungkanak and Stitaya Sirisinha*
- 1688 **Partial Characterization of Human C5a Anaphylatoxin. I. Chemical Description of the Carbohydrate and Polypeptide Portions of Human C5a.** *Horacio N. Fernandez and Tony E. Hugli*
- 1695 **Hapten-Sandwich Labeling. III. Bifunctional Reagents for Immunospecific Labeling of Cell Surface Antigens.** *Salvatore Cammisuli and Leon Wofsy*

IMMUNOGENETICS AND TRANSPLANTATION

- 1456 **Genetic Control of Ligand-Induced Events in B Lymphocytes.** *Robert J. Fram, Charles L. Sidman, and Emil R. Unanue*
- 1495 **H-2 Compatibility Requirement for Virus-Specific T Cell-Mediated Effector Functions in Vivo. I. Specificity of T Cells Conferring Antiviral Protection against Lymphocytic Choriomeningitis Virus Is Associated with H-2K and H-2D.** *Rolf M. Zinkernagel and Raymond M. Welsh*
- 1507 **Characterization of a Constitutive Variant of the Murine Serum Protein Allotype, S1p.** *Ted H. Hansen and Donald C. Shreffler*
- 1514 **Mapping of the Genetic Control of Murine Response to Low Doses of the Dinitrophenyl Conjugates of Ovomuroid and Bovine γ -Globulin.** *John H. Freed, Beverly D. Deak, and Hugh O. McDevitt*
- 1532 **Relationship between β_2 -Microglobulin and Cell-Surface Alloantigens of the Mouse.** *Roy Geib, Miroslav D. Poulík, Ellen S. Vitetta, J. F. Kearney, and Jan Klein*
- 1584 **Relationship of Functional Levels of Early Components of Complement to the H-2 Complex of Mice.** *Margaret B. Goldman and John N. Goldman*
- 1589 **Isolation and Characterization of Human B Cell Alloantigens.** *Ronald J. Billing, Madjid Safani, and Patricia Peterson*
- 1668 **IgA Half Molecules. II. Genetic Variants of IgA Detected in Normal Mouse Intestinal Contents.** *J. Frederic Mushinski and Miranda M. Dungan*

IMMUNOPATHOLOGY

- 1447 **Thyroid Antibodies in Spontaneous Autoimmune Thyroiditis in the Buffalo Rat.** *Bernice Noble, Takeshi Yoshida, Noel R. Rose, and Pierluigi E. Bigazzi*
- 1545 **Serotonin-Induced Production of a Monocyte Chemotactic Factor by Human Peripheral Blood Leukocytes.** *Kenneth A. Foon, Sharon M. Wahl, Joost J. Oppenheim, and David L. Rosenstreich*
- 1553 **Schistosoma mansoni Soluble Egg Antigens: I. Identification and Purification of Three Major Antigens, and the Employment of Radioimmunoassay for Their Further Characterization.** *Ronald P. Pelley, Robert J. Pelley, Joseph Hamburger, Pierre A. Peters, and Kenneth S. Warren*
- 1561 **Schistosoma mansoni Soluble Egg Antigens. II. Determination of the Stage and Species Specificity of Their Serologic Reactivity by Radioimmunoassay.** *Joseph Hamburger, Ronald P. Pelley, and Kenneth S. Warren*
- 1676 **Chemotaxis of Human Polymorphonuclear Neutrophils under Agarose: Morphologic Changes Associated with the Chemotactic Response.** *Robert D. Nelson, Vance D. Fiegel, and Richard L. Simmons*

TUMOR IMMUNOLOGY

- 1612 **Synergism between Immune Complexes and Serum from Tumor-Bearing Mice in the Suppression of Mitogen Responses.** *Douglas G. Kilburn, Maureen Fairhurst, Julia G. Levy, and Richard B. Whitney*

ERRATA

- 1721 **Antibody-Mediated Basophil Accumulations in Cutaneous Hypersensitivity Reactions of Guinea Pigs.** *Philip W. Askenase, J. David Haynes, and Betty J. Hayden*
- 1731 **Identification of T and B Cell Subpopulations in Human Peripheral Blood: Electrophoretic Mobility Distributions Associated with Surface Marker Characteristics.** *Joel H. Kaplan and E. E. Uzgiris*
- 1741 **Author Index**