Contents for October

Presidential Address. Dan H. Campbell .......................................................... 989

CELLULAR IMMUNOLOGY

The Role of Thymus-Derived Lymphocytes in the in Vitro Activation of Macrophages to Kill Listeria monocytogenes. James L. Krahenbuhl, Leon T. Rosenberg, and Jack S. Remington .................................................. 992

Production of Functional T Cells after Treatment of Bone Marrow with Thymic Factor. Harold C. Miller, Susan K. Schmieg, and Allyn Rule .......................................................... 1005

Role of Cyclic AMP in Mitogen Induced Transformation of Human Peripheral Lymphocytes. R. Krishnaraj and G. P. Talwar .......................................................... 1010

The Proliferative and Anamnestic Antibody Response of Rabbit Lymphoid Cells in Vitro. II. Effect of Passive Antibody on Immunologic Memory in Lymph Nodes Contralateral to the Site of Antigen Injection. G. Jeanette Thorbecke and Melvin K. Bell .......................................................... 1013

Effect of Locally Administered Endotoxin on Regenerating Appendix Structures and Responses of Appendix Cells to Mitogens. Hildur E. Blomman and Byron H. Waksman .......................................................... 1081

Lymphocyte Phytohemagglutinin Responsiveness, Immunoglobulins and Autoantibodies in Aging Humans. H. M. Hallgren, C. E. Buckley, III, V. A. Gilbertsen, and E. J. Yunis .......................................................... 1019

Stimulation of Immunoglobulin Synthesis and Specific Antibody Production by a Factor Released by Activated Lymphocytes. Moshe Rosenthal, Peter Stastny, and Morris Ziff .......................................................... 1119

Effect of Locally Administered Endotoxin on Regenerating Appendix Structures and Responses of Appendix Cells to Mitogens. Hildur E. Blomman and Byron H. Waksman .......................................................... 1081

Early Biochemical Alterations Induced by Lymphotoxin in Target Cells. Werner Rosenau, Melvin L. Goldberg, and Gertrude C. Burke .......................................................... 1128

Carrier Independent T Cell Helper Effects in Antigenic Stimulation. Robert A. Dougherty and Norman R. Kleinman .......................................................... 1140


Antigen-Induced Deoxyribonucleic Acid Synthesis in Mouse Lymphocytes. I. The Nature and Specificity of Lymphocyte Activation by Hemocyanin and Dinitrophenyl Carrier Conjugates. David P. Osborne, Jr., and David H. Katz .......................................................... 1164

Antigen-Induced Deoxyribonucleic Acid Synthesis in Mouse Lymphocytes. II. Analysis of the Cell Populations Required for and Responding to Antigen Stimulation in Vitro. David P. Osborne, Jr., and David H. Katz .......................................................... 1176

Studies on Early Events in the Differentiation of Antibody-Producing Cells. I. Patterns of Deoxyribonucleic Acid Replication in Antigen-Stimulated Mouse Spleen Cells. Neomi Moav, Sara Smolinsky, Boaz Moav, and Ascher Frensdorff .......................................................... 1183

Regulation of Antibody Response in Vitro. VII. Enhancing Soluble Factors for IgG and IgE Antibody Response. Tadamitsu Kishimoto and Kimishige Ishizaka .......................................................... 1194


The Mechanism of a Hapten-Specific Helper Effect in Mice. Charles A. Janeway, Jr. .......................................................... 1250

IMMUNOCHEMISTRY

Effect of Cortisone Therapy on Serum Complement Components. John P. Atkinson and Michael M. Frank .......................................................... 1061

Synthesis of IgG, IgA, IgM by Chicken Tissues: Immunofluorescent and 14C Amino Acid Incorporation Studies. John Bienenstock, Jack Gauldie, and D. Y. E. Perey .......................................................... 1112

Demonstration of Antibodies to Deoxyribonucleic Acid by Counterelectrophoresis. A. Klazman, Ruth Parkash, and B. D. Myers .......................................................... 1136


Detection of Antibodies and Soluble Antigen-Antibody Complexes by Precipitation with Polyethylene Glycol. W. D. Creighton, P. H. Lambert, and P. A. Mischler .......................................................... 1219

Continued
Contents continued

Immunoglobulins in the Developing Amphibian, Rana catesbeiana. Carolyn L. Geczy, Patrick C. Green, and Lisa A. Steiner ................................. 1261

IMMUNOGENETICS AND TRANSPLANTATION

Genetic Control of the Immune Response in Guinea Pigs to the Known Sequence Polymer (Tyr-Glu-Ala-Gly). Paul H. Maurer, Gerald Oestrechel, and Carmen F. Merryman .............................................................. 1018
Selective Loss of H-2 Antigenic Reactivity after Chemical Modification. Samuel J. Pancake and Stanley G. Nathenson ............................................. 1086
Anti-Alloantibodies: A De Novo Product. Hans Binz, Hansruedy Ramseler, and Jean Lindemann ............................................................. 1108
Relationship between Proliferative and Effector Phases of the Mixed Lymphocyte Reaction and Graft-versus-Host Reaction. Michael Howe, Lee Berman, and Lewis Cohen ................................................................. 1243

IMMUNOPATHOLOGY

Antinucleolar Antibodies in Human Sera. Jacob L. Pin纳斯, James D. Northway, and Eng M. Tan ........................................................................... 996
Failure to Obtain Histamine Release from Rat Mast Cells Exposed to Human Allergic Serum and Specific Antigen or IgE Myeloma Protein and Anti-IgE. Marshall Plaut, Lawrence M. Lichtenstein, and Kurt J. Bloch .............. 1022
The Pathogenesis of Corneal Inflammation Due to Herpes Simplex Virus. I. Corneal Hypersensitivity to HSV Antigens in the Rabbit. Roberta L. Meyers and Thomas H. Petitt ................................................................. 1031
Antigen-Induced Inhibition of Experimental Allergic Encephalomyelitis, II. Studies in Guinea Pigs with the Small Rat Myelin Basic Protein. Robert H. Swansborg ............................. 1067

TUMOR IMMUNOLOGY

Thymus Function in Spontaneous Lymphoid Leukemia. I. Premature Leukemogenesis in "Young" Thymectomized Mice Bearing "Old" Thymus Grafts. Hiroshi Nagaya ................................................................. 1048
Thymus Function in Spontaneous Lymphoid Leukemia. II. In Vitro Response of "Preleukemic" and Leukemic Thymus Cells to Mitogens. Hiroshi Nagaya ........................................................................ 1052
Factors Involved in the Cytotoxicity of Normal Guinea Pig Serum for Cells of Murine Tumor TA3 Sublines Treated with Neuraminidase. R. Colin Hughes, Peter D. Palmer, and Barbara H. Sanford ................. 1071
Association of Tumor and Histocompatibility Antigens in Sera of Lymphoma-Bearing Mice. Shigeru Fujiimoto, Ching Hong Chen, Edris Sarradini, and Alec H. Sehon ...................................................................... 1093
T Cell Surface Markers on Lymphoblasts from Acute Lymphocytic Leukemia. Luis Borella and Luisa Sen .................................................................... 1257

VIRAL AND MICROBIAL IMMUNOLOGY


COMMUNICATIONS

Local Transfer of Delayed Hypersensitivity by T Lymphocytes. Adrian M. Jaffer, Gerald Jones, Earl J. Kasdon, and Stuart F. Schlossman ......................... 1268
Thymus Independent Stimulator Cells in the Mixed Lymphocyte Reaction. Michael R. Harrison ........................................................................ 1270
Human Immunoglobulin A: Production of an Fc Fragment by an Enteric Microbial Proteolytic Enzyme. Sattish K. Mehta, Andrew G. Plaut, Nicholas J. Calvanico, and Thomas B. Tomasi, Jr. ................................................................. 1274
The In Vitro Response of Chicken B Cell Populations to Lipopolysaccharide. W. T. Weber ................................................................................. 1277
Use of Normal Mouse Serum to Detect Indirect Plaque-Forming Cells. Donald M. Silver and Henry J. Winn ................................................................. 1281
Spleen Cell Cytotoxicity in New Zealand Black Mice (NZB) with Autoimmune Disease. E. M. Liebhard, A. S. Russell, and J. B. Dossetor ...................... 1288
Specific Antigenicity of Thymic Reticuloepithelial Cells. Edward F. Potworowski, Adrienn G. Boruska, and Gilles Lussier ......................................................... 1292
Independent Movement of IgD and IgM Molecules on the Surface of Individual Lymphocytes. W. Knapp, R. L. H. Bolhuis, J. Radl, and W. Hijmans ................................................................. 1295