This information is current as of July 25, 2017.
Contents for July

CELLULAR IMMUNOLOGY

Functional Heterogeneity among the T-Derived Lymphocytes of the Mouse. I. Analysis by Adult Thymectomy. JOHN W. KAPPLER, PHILLIPPA C. HUNTER, DIANE JACOBS, AND EDITH LORD ...................................................... 27

Active and Inactive States of Immunologic Unresponsiveness. R. J. SCIBIENSKI, L. M. HARRIS, S. FONG, AND E. BENJAMINI ...................................................... 45

Application of Transformations to Normalize the Distribution of Plaque-forming Cells. CHARLES P. GOTTLEIB ...................................................... 51

Stimulation of Mouse B Lymphocytes by Trypsin. THOMAS L. VISCHER .............. 53

Immunogenesis from Cultured Marrow and Thymus Cells. I. Thymocyte Differentiation and Collaboration with Bone Marrow-Derived Cells. SUSAN K. SCHMIEGE AND HAROLD C. MILLER ...................................................... 110

The Splenic Suppressor Cell. I. Activity of Thymus-Dependent Adherent Cells: Changes with Age and Stress. HUGO FOLCH AND BYRON H. WAKSMAN .......................... 127

The Splenic Suppressor Cell. II. Suppression of the Mixed Lymphocyte Reaction by Thymus-Dependent Adherent Cells. HUGO FOLCH AND BYRON H. WAKSMAN ...... 140

Role of Cyclic Adenosine 3'-5'-Monophosphate in Lymphocyte Mitogenesis. FREDERICK R. DE RUBERTIS, TERRY V. ZENSER, WILLIAM H. ADLER, AND THOMAS HUDSON ...................................................... 151

Cytotoxic Activity of Lymphocytes. III. Standardization of Measurement of Cell-Mediated Lysis. ZOLTAN J. LUCAS AND SHARYN M. WALKER .................... 209

Antigenic Composition, Not the Degree of Polymerization, Determines the Requirement for Thymus-Derived Cells in Immune Responses to Salmonella Flagellar Proteins. RODNEY E. LANGMAN, W. DOUGLAS ARMSTRONG, AND ERWIN DIENER .......................... 251

Comparison of Cross-Reactivities between Albumins of Various Species at the Level of Antibody and Helper T Cells—Studies in Mice. FREDERIC I. WEINBAUM, GREGORY M. BUTCHKO, STEPHEN LERMAN, G. JEANETTE THOHBECKE, AND ALFRED NISONOFF ...................................................... 257

Regulation of T Lymphocyte Function by Immunoregulatory Alphaglobulin (IRA). JAMES O. MENZOLIAN, ARTHUR H. GLASGOW, RICHARD D. NIMBERG, SIDNEY R. COOPER, ELKE FREUND, ITA SAPIR, AND J. A. MANNIX ...................................................... 266

Endocytosis by Macrophages of Altered Soluble Protein. The Effect of Binding to Particulate Surfaces and of IgM and IgG Antibody. JOSEPH D. FELDMAN AND E. M. POLLACK ...................................................... 329

The Adjuvant Activity of a Mycobacterial Water Soluble Adjuvant (WSA) in Vitro. I. The Requirement of Macrophages. MANUEL MODOLELL, GERO ALBRECHT LUCKENBACH, PAUL GERHARD MUNDER, AND MONIQUE PARANT ............. 395

IMMUNOCHEMISTRY

Interaction of C-Reactive Protein Complexes with the Complement System. II. Consumption of Guinea Pig Complement by CRP Complexes: Requirement for Human C1q. JOHN E. VOLANAKIS AND MELVIN H. KAPLAN ............. 9

Immunogenic Properties of Modified Antigen E. I. Presence of Specific Determinants for T Cells in Denatured Antigen and Polypeptide Chains. KIMISHIGE ISHIZAKA, TADAMITSU KISHIMOTO, GUYLE DELESPESSE, AND TE PIAO KING .......................... 70

Properties of Antisera to Ganglioside G.11 and Asialo GM1. MASAHARU NAIKI, DONALD M. MARCUS, AND ROBERT LEDEEN ...................................................... 84

IgM-Forming Cells as the Immediate Precursor of IgA-Producing Cells during Ontogeny of the Immunoglobulin-Producing System of the Chicken. LOUIS N. MARTIN AND GERERIE A. LESLIE ...................................................... 120

Chain Interactions and Idioype Specificities of Homogeneous Rabbit Anti-Lactose Antibodies. ASOKE C. GHOSE AND FRED KARUSH ...................................................... 162

A Simple Method for the Isolation of the Subcomponents of the First Component of Complement by Affinity Chromatography. SETH N. ASSIMEH, DAVID H. BING, AND ROBERT H. PAINTER ...................................................... 225

Isolation of an Enzyme from Streplococcus sanguis Which Specifically Cleaves IgA. ANDREW G. PLAUT, ROBERT J. GENCIO, AND THOMAS B. TOTTI, JR. ...................................................... 280

Spin-Label Studies of a Hapten-Combining Site of Rainbow Trout Antibody. WILLIAM T. ROUBAL, HOWARD M. ETLINGER, AND HAROLD O. HODGINS ............. 309

Crossed Immunoelectrophoresis and Electromuinoassay of IgG. ANDREWS O. GRIEB ...................................................... 343

Activation of the Alternate Pathway of Human Complement by Rabbit Cells. THOMAS A. E. PLATTS-MILLS AND KIMISHIGE ISHIZAKA ...................................................... 348

Continued
Contents continued

The Occurrence of Shared Idiotype Specificity among the Goat Antibodies That Distinguish Human Hemoglobins S from A. ROBERT D. SCHREIBER AND MORRIS REICHIN ........ 359

Marsupial Immunoglobulins: An Immunoglobulin Molecule Resembling Eutherian IgA in Serum and Secretions of Setonix brachyurus (Quokka). ROBIN G. BELL, CHRISTOPHER J. STEPHENS, AND KEVEN J. TURNER ........................................ 371

Studies on Human Secretory Immunoglobulin A. VI. Cyanogen Bromide Cleavage. JIRI MESTECKY, ROSE KULHAVY, GENESIS P. WRIGHT, AND MILAN TOMANA .......... 404

IMMUNOGENETICS AND TRANSPLANTATION

Mechanism of Allograft Rejection in New Zealand Mice. II. Role of a Serum Factor. MICHAEL C. GELFAND, LENNOY M. PARKER, AND ALFRED D. STEINBERG ........ 1

Comparison of Irradiated and Mitomycin-Treated Mouse Spleen Cells as Stimulating Cells in Mixed Lymphocyte Cultures and in Vitro Sensitization. RICHARD J. HODGES AND WILLIAM D. TERRY ........................................ 39

Tissue Distribution of I Region-Associated Antigens in the Mouse. VERA HAUP TFELD, MIROSLAV HAUPTFELD, AND JAN KLEIN ........................................ 181

The Correlation of Serum IgD Concentration with Gm Allotype. PETER D. WALZER AND HENRY G. KUNKEL .................................................. 274

Demonstration of Molecular Individuality of HL-A Antigens. THOMAS R. THIEME, RICHARD A. RALEY, AND JOHN L. FAHEY ............. 323

IMMUNOPATHOLOGY

Extraction and Partial Purification of the Histamine-Sensitizing Factor of Bordetella pertussis. SAMUEL B. LEHRER, ENG M. TAN, AND JOHN H. VAUGHAN ................. 18

The Relationship between PF/DIL and Activated Human Hageman Factor. ALAN R. JOHNSTON, CHARLES G. COCHRANE, AND SUSAN D. REVAK ............. 103

Characterization of Serum Inhibitors of Neutrophil Chemotaxis Associated with Anergy. DENNIS E. VAN EFFS, DARWIN L. PALMER, AND RALPH C. WILLIAMS, JR. 189

Alteration of Rabbit PCA Reaction by Drugs Known to Influence Intracellular Cyclic AMP. THOMAS C. KRAVIS AND NATHAN J. ZWAIFLER ............... 244

Modification of NZB/NZW F; Autoimmune Disease by Development of Tolerance to DNA. LEWIS P. PARKER, BEVRA H. HAIN, AND C. KIRK OSTERLAND ........... 292

Release of Neutral Protease and ß-Glucuronidase from Human Neutrophils in the Presence of Cartilage Treated with Various Immunologic Reactants. LOUIS J. IGNARRO ........................................ 298

Inactivation of Slow Reacting Substance of Anaphylaxis (SRS-A) by Arylsulfatases. ROBERT P. ORANGE, ROBERT C. MURPHY, AND K. FRANK AUSTEN ....... 316

Further Studies on the Inhibition of Allergic Encephalomyelitis by L-Asparaginase. AMANULLAH KHAN AND SEYMOUR LEVINE ........................................ 367

Serum Immunoglobulin E Levels in Patients with Neoplastic Disease. THOMAS A. WALDMANN, JOAN M. BULL, ROBERT M. BRUCE, SAMUEL BRODER, MARGARET C. JOST, SUELEN T. BALLESTRA, AND MARY E. SUER .............. 379

Experimental Allergic Neuritis: Cells Binding Horseradish Peroxidase Conjugates of Myelin Basic Proteins. MAURO C. DAL CANTO, ANNE B. JOHNSON, CEDRIC S. RAIN, HENRY M. WISNIEWSKI AND STEVEN W. BROSTOFF 387

TUMOR IMMUNOLOGY

Leukemic Serum Inhibition of Phytohemagglutinin-Induced Transformation. G. BENNETT HUMPHREY, JANICE LANKFORD, SAMUEL OLEINICK, AND RUPRECHT NITSCHKE ........................................ 63

Prevention of Myeloma Growth in BALB/c Mice by Injection of Anti-Immunoglobulin Antiserum. DEAN D. MANNING AND JOHN W. JUTILA ............... 78

Increase in Gross (G) Antigen Sites on the Surface of AKR Virus-Induced Rat Lymphoma Cells after Treatment with Trypsin. PHYLLIS B. BRANDCHAFT AND CHARLES W. BOONE ........................................ 94

Effecter Mechanisms of Cell-Mediated Immunity to Xenogeneic Cell Antigens. GUNNER DENNERT ................................................................ 201

The Serum Factor Stimulating Colony Formation in Vitro by Murine Plasmacytoma Cells: Response to Antigens and Mineral Oil. DONALD MUTFALF ........ 235

Interaction of Isoantibody and Cytotoxic Lymphocytes with Allogeneic Tumor Cells. RONALD B. FAANES AND YONG SUNG CHOI .............................. 279

VIRAL AND MICROBIAL IMMUNOLOGY

Dissociation and Recombination of the Subunits of the Cholera Enterotoxin (Choleragen). RICHARD A. FINKELSTEIN, MARY BOESMAN, SIM HEE NEOH, MICHAEL K. LARUE, AND ROBERT DELANEY ........................................ 145

In Vitro Studies of Cell-Mediated Immunity in an Acute Viral Infection. HENRY F. MCFARLAND ................................................................. 173

Continued on page 10
Contents continued

COMMUNICATIONS

In Vitro Stimulation of Human Lymphocytes with Heterologous Anti-Lymphocyte Sera: Evidence for a Specific Antigenic Receptor Mechanism. BARRY ZIMMER-MAN, REUBEN BAUMAL, AND ERWIN W. GELFAND ........................................ 413

Induction of Anti-DNP Antibodies: Suppressive Effect of Circulating Anti-Idiotypic Antibodies to Mouse Myeloma Protein MOPC 315. DOMINIQUE GRANATO, DIETMAR G. BRAUN, AND PIERRE VASSALLI ................................ 417

The Production of Specific Antibodies to Native Collagens with the Chain Compositions, $[\alpha_1(II)]_3$, $[\alpha_1(II)]_n$, and $[\alpha_1(I)]_{19}$. ECKHARDT HAHN, RUPERT TIMPL, AND EDWARD J. MILLER ................................................................. 421


the role of immunological factors in viral and oncogenic processes
7th Miles International Symposium
edited by ROLAND F. BEERS, JR., R. CARMICHAEL TILGHMAN, and EDWARD G. BASSETT

Experts from nine different countries here analyze the immunological factors associated with viral and oncogenic processes to foster a pluralistic approach to the attack against cancer. In their utilization of our knowledge of other cellular phenomena and disease processes, the studies are applicable to the treatment of allergies, multiple sclerosis, and arthritis as well as cancer. Supplement 3 of The Johns Hopkins Medical Journal. $22.50

cellular modification and genetic transformation by exogenous nucleic acids
6th International Symposium on Molecular Biology
edited by ROLAND F. BEERS, JR. and R. CARMICHAEL TILGHMAN

These papers by scientists from various disciplines are divided into four categories: replication of nucleic acids and gene transfer by pseudovirions, the biology of R- and sex-factors in bacteria, reverse transcription, and human oncogenic viruses. Each of these areas is considered in terms of the biochemical events which follow the introduction of new material and the behavioral characteristics of the transformed cells. Supplement 2 of The Johns Hopkins Medical Journal. $17.50