# THE JOURNAL OF IMMUNOLOGY®
## Contents for January

### IMMUNOCHEMISTRY
- **γA Half Molecules: Defective Heavy Chain Mutants in Mouse Myeloma Proteins.**
  - J. Frederic Mushinski
  - 41
- **The Interaction of Human IgM and Clq.**
  - Malcolm R. MacKenzie, Nancy Cresey and Mona Heh
  - 65
- **Immunochemistry of Capsular Glucans Isolated from *Streptococcus bovis*.**
  - Judith A. Kane and W. W. Karakawa
  - 103
- **Immunohemistry of Liver Alcohol Dehydrogenase. I. Factors Influencing the Inhibition of Horse Liver Alcohol Dehydrogenase by Rabbit and Guinea Pig Antisera.**
  - Thomas C. Fuller and Americo A. Marucci
  - 110

### IMMUNOGENETICS
- **Antigenic Variation of 7S1, 7S2, and γM Globulins within the Genus Peromyscus.**
  - J. E. Coo
  - 34

### CELLULAR IMMUNOLOGY
- **Antibody Formation to Equine Anti-Lymphocytic Globulin (ALG) in Man: Effect on Absorption, Distribution and Effectiveness of the ALG.**
  - William T. Butler, Roger D. Rossen, Margaret A. Reisberg, Jack B. Mazow, John J. Trentin and Kenneth P. Judj
  - 1
- **Preventing Antibody Formation to Anti-Lymphocytic Globulin in Man.**
  - Roger D. Rossen, William T. Butler, James J. Nora and Donald J. Fernbach
  - 11
- **Comparisons of the Specificities of Cell-Mediated and Humoral Immune Responses.**
  - I. Cytolytic Lymphocytes and Plaque-Forming Cells following Immunization with Dinitrophenylated Human IgG.
  - Christopher S. Henney and Albert A. Nordin
  - 20
- **Immune Response to Alloantigens of Thymus Studied in Mice with Plaque Assay.**
  - Hiroshi Fujii, Marek Zaleski and Felix Milgrom
  - 56
- **Immunoglobulin Synthesis on Free and Bound Polyribosomes of Rabbit Lymph Node Cells.**
  - Charles J. Sherr and Jonathan W. Uhr
  - 69
- **Delayed Hypersensitivity to Cathedol. V. Absorption and Distribution of Substances Related to Poison Ivy Extracts and Their Relation to the Induction of Sensitization and Tolerance.**
  - Harold B. Baer and Roy C. Watkins
  - 91
- **Antibody Inhibition of the Immune Response: Experimental Analysis of the Site of Action in Vivo.**
  - R. A. Eisenberg and I. L. Weissman
  - 143
- **Cell Surface Associated Gamma Globulins in Lymphocytes. I. Reverse Immune Cytoadherence: A Technique for Their Detection in Mouse and Human Lymphocytes.**
  - F. Parakaoas, S. T. Lee and L. G. Israels
  - 160
- **Use of $^{14}$C or in Studies of Cellular Immunity to *Mycobacterium tuberculosis*, *Brucella melitens* and Poliovirus, Type I.**
  - Herta M. Vickrey and Sanford S. Elberg
  - 191
- **Qualitative and Quantitative Studies of Cytotoxic Immune Cells.**
  - Timothy G. Canty, John R. Wunderlich and Freeman Fletcher
  - 200
- **Lymphocyte Transformation in Rickettsioses.**
  - J. Donald Conrod and Charles C. Shepard
  - 209

**Depressed Cellular and Humoral Hemolysin Responses of Rabbits Injected Intraperitoneally with Mineral Oil before Immunization.**
- Mary Ida-Jo Huard and R. J. Siebeling
- 266

Continued
IMMUNOPATHOLOGY

The Production of Hapten-Specific Reaginic Antibodies in the Guinea Pig. BERNARD B. LEVINE, HENRY CHANG, JR. AND NELSON M. VAZ. ............................................. 29

Rabbit Platelet Injury by Soluble Antigen and Antibody. I. Inhibitory Action of Citrate, TAME and ACTEE. SAMUEL R. MARNEY, JR. AND ROGER M. DES PRez. ................. 74

Rabbit Platelet Injury by Soluble Antigen and Antibody. II. Platelet Aggregation in Heparinized Plasma and Citrated Plasma, Relationship to ADP and Inhibition by Cobra Factor. SAMUEL R. MARNEY, JR. .................. 82

Immunofluorescent Localization of Human Immunoglobulin in Tissues from Cardiac Allograft Recipients. ROGER D. ROSSEN, WILLIAM T. BUTLER, MARGARET A. REISBERG, DAVID K. BROOKS, ROBERT D. LEACHMAn, JOHN D. MILAM, KAMAL K. MITTAL, JOHN R. MONTGOMERY, JAMES NORA AND DONALD G. ROCHELLE. .............................................. 171

Corneal Hypersensitivity. I. Escape Kinetics of Antigen from Sensitized Corneas. THEODORE W. SERY, ROSE MARIE NAGY AND G. WINSTON BARBER. ........................................ 217

Corneal Hypersensitivity. II. Specific Binding of Antigen in Sensitized Corneas. THEODORE W. SERY AND ROSE MARIE NAGY. .................................................. 226

The Significance of the Mast Cell Response to Bee Venom. R. D. HIGGINbotham AND S. KARNELLA. ............................................................. 233

The Inhibitory Effect of Vitamin A on Complement Levels and Tolerance Production. MIGUEL M. AZAR AND ROBERT A. GOOD. ................................................... 241

MICROBIAL AND VIRAL IMMUNOLOGY

Opsonic Activity of Agammaglobulinemic Human Sera. RALPH C. WILLIAMS, JR. AND PAUL G. QUE. ............................................................. 51

The Interferon Refractory State: In Vivo and In Vitro Studies of its Mechanism. ERNEST C. BORDEN AND FREDERICK A. MURPHY. ................................. 134

COMMUNICATIONS

Anti-TNP Antibody Response in Vitro: Augmented Primary Responses of Carrier-Primed Spleen Cells. DAVID H. KATZ, HARRY G. BLOSTEIN, RENÉ J. ROUQUES AND CARL W. PIERCE. .................................................. 271

Enhanced Antibody Response in the Offspring of Immunized Rats. THOMAS J. GILL, III AND HEINZ W. KUNZ. ................................................. 274

Specificity of Tolerance to Antigens the Immune Response of Which is Controlled by the PLL Gene. HELENA SELAWRY, IRA GREEN AND BARUJ BENACERRAF. ........................................ 276

Role of the Basophilic Leukocyte in Allograft Rejection. HAROLD F. DVORAK. ................................................................. 279

Two Complement Interaction Sites in Guinea Pig Immunoglobulins. ANN L. SANDBERG, BENEDITO OLIVEIRA AND ABRAHAM G. OSLER. ......................... 282

Localization of B Markers, α-Chain and SC of SIgA in Epithelial Cells Lining Lieberkühn Crypts. JOSÉ A. O’D’ALy, SUSAN W. CRAIG AND JOHN J. CEBRA. .................................................. 286

Mouse Blood Leukocytes: In Vitro Primary and Secondary Responses to Two Synthetic Polypeptides. MARVIN L. TYAN AND DOLLY B. NESS. .................. 289

Studies of Antimuscle Factor in Myasthenia Gravis. II. Reactions of Fragments Produced by Enzymatic Digestion. DALE E. McFARLIN AND JOHN S. JOHNSON. ........ 292