## Contents for September

### CELLULAR IMMUNOLOGY

- Effects of Sublethal Irradiation on the Plaque-Forming Cell Response in Mice. **Jon R. Schmidtke and Frank J. Dixon** ......................................... 691
- T-Cell Deficiency in Mouse Allogeneic Radiation Chimeras. **Paul Uno and Nazareth Gengozi** .......................................................... 712
- Regulation of Antibody Response in Vitro. VI. Carrier-Specific Helper Cells for IgG and IgE Antibody Response. **Tadamitsu Kishimoto and Kimishige Ishizaka** .... 720
- Differentiation of Lymphoid Cells: The in Vitro Emergence of Immunoglobulin M-Secreting Cells. **Daniel H. Zimmerman and Milton Kern** .................. 761
- Characteristics of a Cytotoxin ("Lymphotoxin") Produced by Stimulation of Human Lymphoid Tissues. **James B. Pike, Joan A. Stratton, Kerstin E. Stempel, David Yu, and Claire Cardin** .............................................. 770
- Cellular Events in Tolerance. I. Failure to Demonstrate Activation of Lymphocytes, Blocking Factors, or Suppressor Cells during the Induction of Tolerance to a Soluble Protein. **David W. Scott** ............................................ 789
- Immunoglobulin Production in Synchronized Cultures of Human Hematopoietic Cell Lines. II. Variation of Synthetic and Secretion Activities during the Cell Cycle. **Shinichiro Watanabe, Yasuo Yagi, and David Pressman** ........... 797
- Antigen-Macrophage Interaction. II. Relative Roles of Cytophilic Antibody and Other Membrane Sites. **Benjamin E. Cohen, Alan S. Rosenthal, and William E. Paul** ........................................................... 820
- Enumeration and Analysis of Antibody-Forming Cell Precursors in the Neonatal Mouse. **Joan L. Press and Norman R. Klinman** ....................... 829
- Technical Aspects of the Rosette Tests Used to Detect Human Complement Receptor (B) and Sheep Erythrocyte-Binding (T) Lymphocytes. **Nelson F. Mendes, Marina E. A. Tolnai, Nelson P. A. Silveira, Richard B. Gilbertsen, and Richard S. Metzgar** ......................................................... 860
- The Homing Pattern of Thymus-Derived Lymphocytes in Calf and Neonatal Mouse Peyer's Patches. **Byron H. Waksman** .................................. 878
- The Number of Reactive Cells in Mouse Lymphocyte Cultures Stimulated by Phytohemagglutinin, Concanavalin A of Histocompatibility Antigen. **G. Jones** .......... 914
- Antigen Stimulation of #H Thymidine Incorporation by Subpopulations of Human Peripheral Blood Cells. **Seth A. Eisen, Leon R. Lyle, and Charles W. Parker** ............ 920

### IMMUNOCHEMISTRY

- Purification of the Human Complement Protein Clq by Affinity Chromatography. **Carlos R. Sledge and David H. Bing** ................................... 661
- The Role of Complement in Human Immediate Hypersensitivity: Evidence against Involvement of the Alternate Pathway of Complement Activation. **Andrew Grant and Lawrence M. Lichtenstein** .............................. 733
- Detection of Idiotypic Determinants on Human Monoclonal Proteins with Specific Rabbit Antisera and Hemagglutination-Inhibition. **J. Vivian Wells, An-Chuan Wang, Charles T. Thornsward, Melvin S. Schanfield, Jan F. Bleumers, and H. Hugh Fudenberg** ........................................ 841
- Cross-Reactions of Additional Extracellular Polysaccharides of Klebsiella. **Michael Heidelberger and Guy G. S. Dutton** .............................. 857
- Characterization and Antibody-Binding Capacity of Streptococcal Group A Carbohydrate Haptens. **Stanford T. Shulman and Elisa M. Ayoub** .............. 868
- Antigenicity of Formaldehyde-Inactivated Staphylococcal Enterotoxin B. **John R. Warren, Leonard Spero, and Joseph F. Metzger** ......................... 885
- Extraction of Complement Inhibitory Factors from the Erythrocytes of Non-Human Species. **E. M. Hoffman and H. M. Ethinger** .......................... 946

Continued
IMMUNOGENETICS AND TRANSPLANTATION

The Responsiveness of Tolerant Lymphocyte Populations after Transfer to Normal Recipients. D. D. McGregor

Heart Autoantibodies in Mice: Genetic, Bacterial, and Age Determinants. John H. Schwab and Roger R. Brown

Expression of the a, y, and y Variable Region Genes of Heavy Chains among IgG, IgM, and IgA Molecules of Normal and a Locus Allotype-Suppressed Rabbits. Byung Suk Kim and Sheldon Dray

Extraction and Purification of Soluble HL-A Antigens from Exhausted Media of Human Lymphoid Cell Lines. Michele A. Pellegrino, Anna Pellegrino, Soldano Ferrone, Barry D. Kahan, and Ralph A. Reisfeld

IMMUNOPATHOLOGY

Competitive Effect of Homologous IgG or Fc in Sensitization of Rabbits for PCA Mediated by Reaginic Antibody. Roberto Revoltella and Zoltan Ovary


Regulation of Homocytotropic Antibody Formation in the Rat. VIII. An Antigen-Specific T Cell Factor That Regulates Anti-Hapten Homocytotropic Antibody Response. Tomio Tada, Ko Okumura, and Masaru Taniguchi

TUMOR IMMUNOLOGY

Further Evidence for the Involvement of Thymus-Processed Lymphocytes in Syngeneic Tumor Cell Cytolysis. Fernando Plata, Elisabeth Gomard, Jean-Claude Leclerc, and Jean-Paul Levy

Alterations in Lymphocyte Populations in Tumorigenesis. I. Lymphocyte Trapping. Marion M. Zatz, Abraham White, and Allan L. Goldspink


Separation of Lymphocytes from Disaggregated Mouse Malignant Neoplasms by Sedimentation in Gradients of Ficoll in Tissue Culture Medium. Judy G. Zettergren, Douglas E. Luberoff, and Thomas G. Fretlow, II

Studies of MOPC 104E Plasmacytoma Cells Forming Rosettes with Autologous and Syngeneic Erythrocytes. Raymond N. Hiramoto and Vithal K. Ghanta


Selective Cytotoxicity in a Hapten-Substituted Cell Culture Model System. Gordon W. Philpott, Richard J. Bower, and Charles W. Parker

VIRAL AND MICROBIAL IMMUNOLOGY

In Vitro Assessment of Cellular Immunity to Rauscher Leukemia Virus. Richard F. Mortensen, Walter S. Ceglowksi, and Herman Friedman

COMMUNICATIONS

Reversibility of the Immunodepression Due to Ehrlich Ascites Carcinoma. Paolo Mocarelli, Maria Luisa Villa, Gianni Garotta, Carla Porta, Giuseppe Bigi, and Enrico Clerici

Graft-vers-Host Reaction with an H-2 Mutant. J. Klein and I. K. Egorov


Xenogeneic Reactivity of Human Fetal Lymphocytes. Tuula Asantila, Tapani Sorvari, Toivo Hirvonen, and Paavo Toivanen

ANNOUNCEMENT

A new section, “Letters,” will be added as a regular part of the Journal of Immunology to provide readers and authors a forum for discussion of scientific material appearing in the Journal. The reader will have the opportunity to comment on, add information to, or point out differences from published articles, and the authors will be given the opportunity for response. Letters should be lucid, germaine, and succinct (preferred length, 250 words or less). They will be selected on the basis of their interest, relevancy and importance of subject matter, and will be altered by the Editors if necessary, to improve understanding and style.