THE JOURNAL OF IMMUNOLOGY®

Contents for January

CELLULAR IMMUNOLOGY

1 Chemical Treatment of Macrophages Increases Their Responsiveness to Migration Inhibitory Factor (MIF). Heinz G. Remold
21 Inhibition of the Mitogenic Response to Lipopolysaccharide (LPS) in Mouse Spleen Cells by Polymyxin B. Diane M. Jacobs and David C. Morrison
35 Immunologically Specific Cytolytic Activity Induced in Long-Term Mixed Leukocyte Culture Cells by Concanavalin A. David Tartof and Frank W. Fitch
43 Cytotoxic Lymphocytes Induced by Soluble Factors Derived from the Medium of Leukocyte Cultures. Shinpei Kasakura
48 Hapten-Specific IgE Antibody Responses in Mice. VII. Conversion of IgE “Non-responder” Strains to IgE “Responders” by Elimination of Suppressor T Cell Activity. Nicholas Chiorazzi, David A. Fox, and David H. Katz
180 Studies on the Mechanism of Lymphocyte-Mediated Cytolysis. VIII. The Use of Con A to Delineate a Distinctive Killer T Cell Subpopulation. Robert P. Rubens and Christopher S. Henney
71 Studies on the Mechanism of Lymphocyte-Mediated Cytolysis. IX. Relationships between Antigen Recognition and Lytic Expression in Killer T Cells. Rudolf C. Kuppers and Christopher S. Henney
88 Regulatory Factors Produced by Lymphocytes. II. Inhibition of Cellular DNA Synthesis Associated with a Factor Inhibiting DNA Polymerase α Activity. Sheng-Chung Lee and Zoltan J. Lucas
129 Ionophorous Activity and Murine B Lymphocyte Mitogens. David L. Rosenstreich and Robert Blumenthal
150 Reaginic Antibody Formation in the Mouse. IX. Enhancement of Suppressor and Helper Cell Activities of Primed Spleen Cells. Kyoushi Takatsu and Kimishige Ishizaka
251 Tolerizing Effect of DNP-Ficoll on IgE Antibody Production. Naohiro Watanabe, Somei Kojima, and Zoltan Ovary

CLINICAL IMMUNOLOGY

12 Hereditary C5 Deficiency in Man. III. Studies of Hemostasis and Platelet Responses to Zymosan. R. T. Breckenridge, S. I. Rosenfeld, K. S. Graff, and J. P. Leddy
62 The Active E-Rosette Test: A Sensitive in Vitro Correlate for Human Delayed-Type Hypersensitivity. Peter J. Felsburg and Robert Edelman
187 Monocyte Function in Man. Mary C. Territo and Martin J. Cline
235 Delineation and Quantitation of Human Peripheral Blood Lymphocyte Subpopulations by Electrophoretic Mobility and Role of Surface Charge in Cell Interaction. S. N. S. Hanjan, G. P. Talwar, Zeba Kidwai, and Indira Nath
270 Quantitative Immunoassay of Adenosine Deaminase in Combined Immunodeficiency Disease. Dennis A. Carson, Randall Goldblum, and J. E. Seegmiller
IgE Synthesis in Man. I. Development of Specific IgE Antibodies after Immunization with Tetanus-Diphtheria (Td) Toxoids. James Nagel, Dianna Svec, Tomi Waters, and Philip Fireman

IMMUNOCHEMISTRY

67 Structural Analysis of the Peptides Derived from Specific Acid-Catalyzed Hydrolysis at Aspartylprolyl Peptide Bonds in Human J Chain. John E. Mole, Ajit S. Bhown, and J. Claude Bennett


103 Isolation and Characterization of Guinea Pig Properdin. Anne Nicholson and K. Frank Austen

188 Structural Analysis of the Peptides Derived from Specific Acid-Catalyzed Hydrolysis at Aspartylprolyl Peptide Bonds in Human J Chain. John E. Mole, Ajit S. Bhown, and J. Claude Bennett

223 Interaction of DNP-Antigens with the First Component of Complement (Cl). Michael Loos and Wolfgang König

IMMUNOGENETICS AND TRANSPLANTATION

98 Structural Differences between Parent and Mutant H-2K Glycoproteins from Two H-2K Gene Mutants: B6.C-H-2\(^{a}\) (Hzl) and B6-H-2\(^{a}\) (M505). J. Lynne Brown and Stanley G. Nathenson

264 The Immunologic and Molecular Profiles of HLA Antigens Isolated from Urine. R. A. Reisfeld, M. A. Pellegrino, and S. Ferrone

IMMUNOPATHOLOGY

17 Cytophilic Antibodies in Experimental Autoimmune Myasthenia Gravis. Ruben D. Martinez, Rebeca Tarar-Hazdai, Aharon Aharonov and Sara Fuchs

137 Histamine Modulation of Eosinophil Migration. Richard A. F. Clark, Jeffrey A. Sandler, J. I. Gallin, and Allen P. Kaplan

146 Immunologic Reactivity of the Lung. III. Effects of Corticosteroids on Alveolar Macrophage Cytotoxic Effector Cell Function. Gary W. Hunninghake and Anthony S. Fauci

TUMOR IMMUNOLOGY

55 Affinity in Radioimmunoassay of Antibody Cross-Reactive with Carcinoembryonic Antigen (CEA) and Colon Carcinoma Antigen-III (CCA-III). F. James Primus, Edward S. Newman, and Hans J. Hansen

122 Passive Transfer of Systemic Tumor Immunity with Cells Generated In Vitro by a Secondary Immune Response to a Syngeneic Rat Gross Virus-Induced Lymphoma. Irwin D. Bernstein

175 Anti-Thymocyte Autoimmunity in BALB/c Mice Accompanying Immunization to a Syngeneic Lymphoma. F. Samuel Baechtel and Morton D. Prager

208 Reversal of SV40 Tumor-Mediated Suppression of Spleen Cell Cytotoxicity by Antibody. Suzanne O. Prather and Robert N. Lausch

218 Immunosuppression of T Lymphocyte Function by Fractionated Serum from Tumor-Bearing Mice. Robert McMaster, Karen Bukhler, Richard Whitney, and Julita G. Levy

309 Acute Lymphoblastic Leukemia (ALL) Antigens Detected with Antiserum to E Rosette-Forming and Non-E Rosette-Forming ALL Blasts. Luis Borella, Luisa Sen, and James T. Casper

330 F, Resistance to AKR Lymphoma Cells in Vivo and in Vitro. Anne-Marie Schmitt-Verkulant and Marion M. Zatz


VIRAL AND MICROBIAL IMMUNOLOGY

6 A Disaccharide Hapten from Streptococcal Group C Carbohydrate that Cross-Reacts with the Forssman Glycolipid. John E. Coligan, Blair A. Fraser, and Thomas J. Kindt

109 Effect of Sensitization with Propionibacterium Acnes on the Growth of Listeria Monocytogenes and Treponema Pallidum in Rabbits. Robert E. Baughn, Daniel M. Mushner, and John M. Knox

114 Immune Interactions with Cells Infected with Herpes Simplex Virus: Antibodies to Radiolabeled Surface Antigens. Joseph C. Glorioso and Jerry W. Smith

Continued on page 12
CONFERENCE

Conference on Diagnostic Immunology
July 31 to August 5, 1977
New England College, Henniker, New Hampshire

The conference which is sponsored by the Engineering Foundation will focus on two major themes:

1. The application of immunological techniques to the diagnosis of disease.
2. Progress in new immunological techniques.

Sessions will be divided into eight major topics of interest including: hormones, infectious diseases, immunologically mediated diseases and cancer immunology. The symposium is primarily reserved for invited principal contributors. However, sessions have been set aside for unsolicited papers. English will be the language used for all presentations. The symposium will be limited to 150 participants. Selection of participants will be based on their participation in the conference and on maintenance of a balance for both industry and the academic community. For registration information contact the Engineering Foundation, 345 East 47th Street, New York, New York 10017. For any technical information please write: Dr. Herman Friedman, Department of Microbiology Albert Einstein Medical Center, Philadelphia, Pennsylvania 19141.