THE JOURNAL OF IMMUNOLOGY®

Contents for October

IMMUNOCHEMISTRY

Peptides from the Site of Rabbit Antibody: Anti-3-Azopyridine Antibody. Bernard Friedenson, Yasushi Takeda, Oliver A. Roholt and David Pressman .... 957
Comparative Immunologic Studies on Fish and Invertebrate Collagens. W. Meigel, B. Pontz, R. Timpl, E. Hieber, A. Nordwig, C. Steffen and K. Kuhn ...... 1146
The Carbohydrate Moieties of Mouse Immunoglobulins: Composition and Evidence against All Transcellular Transport. Frederick Miller .................. 1161
Univalent Arsanilic Acid Derivatives as Elicitors of Passive Cutaneous Anaphylaxis. Leon T. Rosenberg, Alfred A. Amkraut, Richard B. Corp and Sidney Raffel .......................................................... 1175

CELLULAR IMMUNOLOGY

Response of Canine Fetuses and Neonates to Antigenic Stimulation. Moshe Shifrine, J. B. Smith, Marie S. Bulgin, B. J. Bryant, Yuan-Chang Zee and B. I. Osburn ........................................... 955
Mechanisms of Passive Sensitization. II. Presence of Receptors for IgE on Monkey Mast Cells. Hisao Tomioka and Kimishige Ishizaka .......................... 971
The Use of Human F(ab')2 Fragments as Blocking Agents in the Mixed Lymphocyte Reaction. M. O. Hornung, K. Layne and J. C. McDonald .............. 979
The Isotopic Antiglobulin Assay: Application to the Study of Hybrid Cell Membranes. M. C. Rechsteiner ........................................ 985
Antibody Formation by Spleen Cells of Immunologically Tolerant Mice Stimulated with Antigen-Antibody Complexes. Claudio Intini, Diego Segre, Mariangela Segre and Walter L. Myers ............................................. 1014
Cyclic AMP and Immune Responses. I. Influence of Poly A:U and cAMP on Antibody Formation in Vitro. Masaaki Ishizuka, Werner Braun and Takao Matsumoto .............................................. 1027
Cyclic AMP and Immune Responses. II. Phosphodiesterase Inhibitors as Potentiators of Polynucleotide Effects on Antibody Formation. Werner Braun and Masaaki Ishizuka ........................................... 1030
Suppression of Antibody Synthesis. II. The Effect of Carrier-Specific Cells upon Haptenic Competition. Anthony S. Fauci and John S. Johnson ................. 1057
Alterations in the Antibody Response to Bovine Serum Albumin by Capsular Polysaccharide of Klebsiella pneumoniae. Izumi Nakashima, Takashi Kobayashi and Norihiro Kato .............................................. 1112
Regulation of Homocytotropic Antibody Formation in the Rat. V. Cell Cooperation in the Anti-Hapten Homocytotropic Antibody Response. Tomio Tada and Ko Okumura .............................................. 1137
Antigen-Binding Cells. I. Their Identification and Role in the Immune Response. E. R. Unanue ............................................................. 1168

IMMUNOPATHOLOGY

Spontaneous Thyroiditis in the Obese Strain of Chickens. VI. Thyroxine-Binding Antibodies. Lars-A. Nilsson, Noel R. Rose and Ernest Witebsky ............. 997
The Immediate Allergic Response: In Vitro Separation of Antigen Activation, Decay and Histamine Release. Lawrence M. Lichtenstein .......................... 1122

Continued
Contents continued

The Immediate Allergic Response: *In Vitro* Action of Cyclic AMP-Active and Other Drugs on the Two Stages of Histamine Release. Lawrence M. Lichtenstein and Robert DeBernardo .......................................................... 1132

Immunologic Investigations of Naturally Occurring Canine Thyroiditis. Gerald J. Mizejewski, Jennifer Baron and Gerald Poissant ................................. 1152

**MICROBIAL AND VIRAL IMMUNOLOGY**

Delayed Hypersensitivity to Ribosomal Protein from BCG. L. Ortiz-Ortiz, E. B. Solarolo and L. F. Bojalil ................................. 1022


Immunity to *Hemophilus influenzae* Type b. I. The Isolation, and Some Physico-chemical Serologic and Biologic Properties of the Capsular Polysaccharide of *Hemophilus influenzae* Type b. Louis P. Rodrigues, Rachel Schneerson and John B. Robbins .......................................................... 1071

Immunity to Disease Caused by *Hemophilus influenzae* Type b. II. Specificity and Some Biologic Characteristics of "Natural," Infection-Acquired, and Immunization-Induced Antibodies to the Capsular Polysaccharide of *Hemophilus influenzae* Type b. Rachel Schneerson, Louis P. Rodrigues, J. C. Parke, Jr., and John B. Robbins .......................................................... 1081

Assay of Australia Antigen and Antibody Employing Double-Antibody and Solid-Phase Radioimmunoassay Techniques and Comparison with the Passive Hemagglutination Methods. F. Blaine Hollinger, Vance Vondam and Gordon R. Dreesman .......................................................... 1099

Local Immunologic Response to Immunization with Inactivated Newcastle Disease Virus. Zichriya Zakay-Rones, R. Levy and G. Spira .......................................................... 1180

**COMMUNICATIONS**

Effects of Intraperitoneal Thymus Graft on Hemolytic Plaque Formation. Akikazu Takada, Yumiko Takada and Julian L. Ambrus .......................................................... 1185

Comparison of the Effect of Elastase on Human Secretory IgA and Serum IgA. Anne Tax and Leonhard Kornfeld .......................................................... 1189

Spontaneous Renal Lesions and Glomerular Deposits of IgG and Complement in Guinea Pigs. Raymond W. Steblay and Ulrich Rudofsky .......................................................... 1192

Removal of Neuraminic Acid from H-2 Alloantigens without Effect on Antigenic Reactivity. Akira Shimada and Stanley G. Nathenson .......................................................... 1197

Functional Relationship of Factor B in the Properdin System to C3 Proactivator of Human Serum. Ira Goodkofsky and Irwin H. Lepow .......................................................... 1200

Antiserum to a Soluble Lymphoid Membrane Preparation Stimulates Human Leukocyte DNA Synthesis. Albert B. Einstein, Jr., Dean L. Mann, Susan Ficker and William D. Terry .......................................................... 1205

Erythrocyte-Bound C5 and C6 in Autoimmune Hemolytic Anemia. Robert O. Kerr, Agustin P. Dalmaso and Manuel E. Kaplan .......................................................... 1209

Species Distribution of J Chain. P. F. Weinheimer, J. Mestecky and R. T. Acton .......................................................... 1211