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

M. M. Mayer

1195 Presidential Address

CELLULAR IMMUNOLOGY

E. E. Emeson

1204 Migratory Behavior of Lymphocytes with Specific Reactivity to Alloantigens. I. Selective Recruitment to Spleen, Bone Marrow, and Liver after an Intravenous Challenge

Y. Weinstein

1223 20α-Hydroxysteroid Dehydrogenase: A T Lymphocyte-Associated Enzyme

W. H. Fridman, A. Guimezanes, and R. H. Gisler

1266 Characterization of Suppressive Immunoglobulin-Binding Factor (IBF). I. Production of IBF by a β-Positive Lymphoma (L-5178-Y)

C. Neauport-Sautea and W. H. Fridman

1269 Characterization of Suppressive Immunoglobulin-Binding Factor (IBF). II. Purification and Molecular Weight Determination of IBF Produced by L-5178-Y β-Positive Lymphoma

E. L. Morgan and C. H. Tempelis

1293 The Role of Antigen-Antibody Complexes in Mediating Immunologic Unresponsiveness in the Chicken

T. Ternynck, M. Rodrigot, and S. Avrameas

1321 Kinetics of Antibody and Immunoglobulin-Producing Cells Appearing in Popliteal Lymph Nodes of Mice Stimulated with Horseradish Peroxidase

A. Muckerheide, A. J. Pesce, and J. G. Michael

1340 Immunosuppressive Properties of a Peptic Fragment of BSA

H. Wagner, A. Starzinski-Powitz, H. Jung, and M. Röllinghoff

1365 Induction of I Region-Restricted Hapten-Specific Cytotoxic T Lymphocytes

R. G. Coffey, E. M. Hadden, and J. W. Hadden

1387 Evidence for Cyclic GMP and Calcium Mediation of Lymphocyte Activation by Mitogens

K. Nomoto, K. Himeno, A. Kuroiwa, and K. Takeya

1395 Preferential Induction of Jones-Mote Hypersensitivity in Guinea Pigs Treated with Tolerogenic Antigen

Z. Eshhar, D. Armerding, T. Waks, and D. H. Katz

1457 Activation of T and B Lymphocytes in Vitro. V. Cellular Locus, Metabolism and Genetics of Induction, and Production of the Allogeneic Effect Factor

D. Armerding, Z. Eshhar, and D. H. Katz

1468 Activation of T and B Lymphocytes in Vitro. VI. Biochemical and Physicochemical Characterization of the Allogeneic Effect Factor

S. J. Betz and D. C. Morrison

1475 Chemical and Biologic Properties of a Protein-Rich Fraction of Bacterial Lipopolysaccharides. I. The in Vitro Murine Lymphocyte Response

R. L. Krogsrud, J. Bain, and G. B. Price

1486 Serologic Identification of Hemopoietic Progenitor Cell Antigens Common to Mouse and Man

S. Z. Ben-Sasson, M. F. Lipscomb, T. F. Tucker, and J. W. Uhr

1493 Specific Binding of T Lymphocytes to Macrophages. II. Role of Macrophage-Associated Antigen

B. Bonavida

1530 Antigen-Induced Cyclophosphamide-Resistant Suppressor T Cells Inhibit the in Vitro Generation of Cytotoxic Cells from One-Way Mixed Leukocyte Reactions

CLINICAL IMMUNOLOGY

A. R. Hayward and A. R. Lawton

1213 Induction of Plasma Cell Differentiation of Human Fetal Lymphocytes: Evidence for Functional Immaturity of T and B Cells

T. Hirano, T. Kuritani, T. Kishimoto, and Y. Yamamura

1235 In Vitro Immune Response of Human Peripheral Lymphocytes. I. The Mechanism(s) Involved in T Cell Helper Functions in the Pokeweed Mitogen-Induced Differentiation and Proliferation of B Cells

J. Shen, F. Wilson, M. Shifrine, and M. E. Gershwin

1299 Select Growth of Human T Lymphocytes in a Single Phase Semisolid Culture

J. R. Ortaldo, G. D. Bonnard, and R. B. Herberman

1351 Cytotoxic Reactivity of Human Lymphocytes Cultured in Vitro

D. L. Nelson, B. M. Bundy, and W. Strober

1401 Spontaneous Cell-Mediated Cytotoxicity by Human Peripheral Blood Lymphocytes in Vitro

R. A. Clark and S. J. Klebanoff

1413 Studies on the Mechanism of Antibody-Dependent Polymorphonuclear Leukocyte-Mediated Cytotoxicity
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cytotoxic Activity of Human Lymphocytes: Quantitative Analysis of T Cell and K Cell Cytotoxicity, Revealing Enzyme-Like Kinetics</td>
<td>1507</td>
</tr>
<tr>
<td>Immunochemical Characterization of IgM in Human Intestinal Fluids</td>
<td>1515</td>
</tr>
<tr>
<td>Human Lymphocytes Bearing &quot;la-like&quot; Antigens; Absence in Patients with Infantile Agammaglobulinemia</td>
<td>1520</td>
</tr>
<tr>
<td>Receptors for IgM on Certain Human B Lymphocytes</td>
<td>1525</td>
</tr>
</tbody>
</table>

**IMMUNOCHEMISTRY**

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physicochemical Characterization of a Vascular Permeability Factor Produced by Con A-Stimulated Human Lymphocytes</td>
<td>1230</td>
</tr>
<tr>
<td>Purification of C3b Inactivator and Demonstration of Its Two Polypeptide Chain Structure</td>
<td>1248</td>
</tr>
<tr>
<td>Structural and Biosynthetic Studies of a Human IgA Half Molecule</td>
<td>1260</td>
</tr>
<tr>
<td>Plasma Cells and Epithelial Immunoglobulins in the Mouse Mammary Gland during Pregnancy and Lactation</td>
<td>1306</td>
</tr>
<tr>
<td>Complement Activation in Semisolid Media: Insolubilization of Alternative Pathway Convertases in Agar Gels with C3 Nephritic Factor-Containing Sera</td>
<td>1316</td>
</tr>
<tr>
<td>Enhancement of C56-Initiated Lysis by Cell-Bound C3 Fragments: Evidence for a Mechanism Independent of the Prior Binding of C56 to C3b</td>
<td>1346</td>
</tr>
<tr>
<td>On the Mechanism of Membrane Damage by C: Exposure of Hydrophobic Sites on Activated C Proteins</td>
<td>1358</td>
</tr>
<tr>
<td>Initiation of Bone Resorption by the Classical and Alternative C Pathways and Its Mediation by Prostaglandins</td>
<td>1378</td>
</tr>
<tr>
<td>Analysis of the Diversity of Murine Antibodies to Dextran B1355. II. Demonstration of Multiple Idiotypes with Variable Expression in Several Strains</td>
<td>1406</td>
</tr>
<tr>
<td>Characterization of Antigen-Binding Receptors in Vitro. I. An Equilibrium Method for Measuring Antigen Binding in Murine Cells</td>
<td>1427</td>
</tr>
<tr>
<td>Characterization of Antigen-Binding Receptors in Vitro. II. Antigen-Binding Capacity and Affinity of Lymphoid Receptors after Immunization</td>
<td>1432</td>
</tr>
<tr>
<td>Lytic Activity of C5-9 Complexes for Erythrocytes from the Species Other than Sheep: C9 Rather than C6-Dependent Variation in Lytic Activity</td>
<td>1482</td>
</tr>
</tbody>
</table>

**IMMUNOGENETICS AND TRANSPLANTATION**

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Structural and Genetic Studies on Chicken 7S Immunoglobulin Allotypes. III. Proposed Nomenclature for the CS-1 Gene Alleles</td>
<td>1218</td>
</tr>
<tr>
<td>Antigenic Requirements for the Generation of Secondary Cytotoxicity</td>
<td>1253</td>
</tr>
<tr>
<td>Abrogation of Resistance to Foreign Bone Marrow Grafts by Carrageenans. II. Studies with the Anti-macrophage Agents α, β, and γ-Carrageenans</td>
<td>1310</td>
</tr>
<tr>
<td>Allotype Suppression at the CHn Locus of IgM in Heterozygous Rabbits with Concomitant Suppression at the VHα Locus of All Ig Classes</td>
<td>1369</td>
</tr>
<tr>
<td>Genetic Control of Immune Response to Protein Antigens. I. Two-Way Selective Breeding of Mice for Quantitative Antibody Responsiveness to Bovine Serum Albumin and Rabbit γ-Globulin</td>
<td>1439</td>
</tr>
<tr>
<td>In Vitro Reactivity in Allograft Tolerance: Persistence of Mixed Leukocyte Culture Reactivity in Highly Tolerant Rats</td>
<td>1538</td>
</tr>
</tbody>
</table>

**IMMUNOPATHOLOGY**

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Differential Effects of 6-MP and Cyclophosphamide on Immunoglobulin Deposition in the Skin and Kidney of NZB/NZW F1 Mice</td>
<td>1285</td>
</tr>
</tbody>
</table>
### TUMOR IMMUNOLOGY

- G. F. Burns, C. R. Baker, J. C. Cawley, and F. G. J. Hayhoe
  - The Rate of Membrane Turnover by the Hairy Cells of Leukemic Reticuloendotheliosis: A Kinetic Study of a Receptor for IgM

- R. C. Burton, S. E. Chism, and N. L. Warner
  - In Vitro Induction of Tumor Specific Immunity. IV. Does Autosensitization Occur with In Vitro Culture of T Lymphocytes?

- M. J. Brunda and P. Minden
  - Antibodies to Bacterial and Tumor-Derived Antigens in Sera from Normal Guinea Pigs

- G. A. Miller and J. D. Feldman
  - Effect of Macrophages and Antibodies on in Vivo Growth of Moloney Sarcoma in the Rat

### VIRAL AND MICROBIAL IMMUNOLOGY

- R. M. Zinkernagel, A. Althage, and F. C. Jensen
  - Cell-Mediated Immune Response to Lymphocytic Choriomeningitis and Vaccinia Virus in Rats

  - Partial Purification of Antigens from Eggs of Schistosoma mansoni that Elicit Delayed Hypersensitivity

- B. King, C. J. Wust, and A. Brown
  - Antibody-Dependent, Complement-Mediated Homologous and Cross-Cytolysis of Togavirus-Infected Cells

- M. Piantelli, R. Pozzuoli, E. Arru, and P. Musiani
  - Echinococcus granulosus: Identification of Subunits of the Major Antigens

- J. S. Dahl, S. B. Hellewell, and R. P. Levine
  - A Mycoplasma Mutant Resistant to Lysis by C: Variations in Membrane Composition and Altered Response to the Terminal C Complex

- J. T. Hicks, J. L. Sullivan, and P. Albrecht
  - Immune Responses during Measles Infection in Immunosuppressed Rhesus Monkeys

- G. Hess, J. W-K. Shih, P. M. Kaplan, and J. L. Gerin
  - The Demonstration of Subtype (d or γ)-Specific Determinants on the Surface of the Presumed Hepatitis B Virus

### COMMUNICATIONS

- F. Ligler, E. S. Vitetta, and J. W. Uhr
  - Cell Surface Immunoglobulin. XXII. Reappearance of Surface IgM and IgD on Murine Splenocytes after Removal by Capping