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- W. P. Arend, F. G. Joslin, R. C. Thompson, and C. H. Hannum 1851 An IL-1 Inhibitor from Human Monocytes. Production and Characterization of Biologic Properties
J. Browning, and A. Ribolini 1859 Studies on the Differing Effects of Tumor Necrosis Factor and Lymphotoxin on the Growth of Several Human Tumor Lines
J. H. Kehrl, A. S. Taylor, G. A. Delsing, A. B. Roberts, M. B. Sporn, and A. S. Fauci 1868 Further Studies of the Role of Tumor Growth Factor- β in Human B Cell Function
W. A. Massey, T. C. Randall, A. Kagey-Sobotka, J. A. Warner, S. M. MacDonald, S. Gillis, A. C. Allison, and L. M. Lichtenstein 1875 Recombinant Human IL-1 α and -1 β Potentiate IgE-Mediated Histamine Release from Human Basophils
T. Nishihara, Y. Ishihara, T. Noguchi, and T. Koga 1881 Membrane IL-1 Induces Bone Resorption in Organ Cultures
P. N. Redlich, and S. E. Grossberg 1887 Analysis of Antigenic Domains on Natural and Recombinant Human IFN- β by the Inhibition of Biologic Activities with Monoclonal Antibodies
J.-C. Renaud, A. Vink, and J. Van Snick 1894 Accessory Signals in Murine Cytolytic T Cell Responses. Dual Requirement for IL-1 and IL-6

IMMUNOCHEMISTRY

- P. Anderson, M.-L. Blue, C. O'Brien, and S. F. Schlossman 1899 Monoclonal Antibodies Reactive With the T Cell Receptor ζ Chain: Production and Characterization Using a New Method
C. Boyer, N. Auphan, J. Gabert, D. Blanc, B. Malissen, and A.-M. Schmitt-Verhulst 1905 Comparison of Phosphorylation and Internalization of the Antigen Receptor/CD3 Complex, CD8, and Class I MHC-Encoded Proteins on T Cells
Y. Nojima, S. Minota, A. Yamada, and F. Takaku 1915 Identification of an Acidic Ribosomal Protein Reactive with Anti-Sm Autoantibody
R. Ono, K. Sakaguchi, and S. Ferrone 1921 Modulation by Antiidiotypic Monoclonal Antibodies of Immune Lysis Mediated by Anti-HLA Monoclonal Antibodies
R. Pulido, and F. Sánchez-Madrid 1930 Biochemical Nature and Topographic Localization of Epitopes Defining Four Distinct CD45 Antigen Specificities. Conventional CD45, CD45R, 180 kDa (UCHL 1) and 220/205/190 kDa
C. J. Thaler, W. P. Faulk, and J. A. McIntyre 1937 Soluble Antigens of IgE Receptor Fc γ RIII in Human Seminal Plasma
L. S. Zalman, M. A. Brothers, and H. J. Müller-Eberhardt 1943 Isolation of Homologous Restriction Factor from Human Urine. Immunological Properties and Biologic Activity

IMMUNOPHARMACOLOGY

- T. D. Bigby, and N. Meslier 1948 Transcellular Lipoxygenase Metabolism between Monocytes and Platelets
F. Di Virgilio, E. Bronte, D. Collavò, and P. Zanovello 1955 Responses of Mouse Lymphocytes to Extracellular Adenosine 5'-Triphosphate (ATP). Lymphocytes with Cytotoxic Activity Are Resistant to the Permeabilizing Effects of ATP

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- C. Kreis, M. La Fleur, C. Ménard, R. Paquin, and A. D. Beaulieu 1961 Thrombospondin and Fibronectin are Synthesized by Neutrophils in Human Inflammatory Joint Disease and in a Rabbit Model of In Vivo Neutrophil Activation
- R. Kurrasch, F. Elfman, and H. D. Perez 1969 Polymorphonuclear Leukocytes CAP A Derivative of Wheat Germ Agglutinin Upon Stimulation with Formyl Peptide and C5a but Not Leukotriene B₄
- J. P. Messina, and D. A. Lawrence 1974 Cell Cycle Progression of Glutathione-Depleted Human Peripheral Blood Mononuclear Cells is Inhibited at S Phase
- H. Takizawa, K. Ohta, K. Hirai, Y. Misaki, T. Horiuchi, N. Kobayashi, J. Shiga, and T. Miyamoto 1982 Mast Cells are Important in the Development of Hypersensitivity Pneumonitis. A Study with Mast-Cell-Deficient Mice
- N. Topley, J. Floege, K. Wessel, R. Hass, H. H. Radeke, V. Kaever, and K. Resch 1989 Prostaglandin E₂ Production is Synergistically Increased in Cultured Human Glomerular Mesangial Cells by Combinations of IL-1 and Tumor Necrosis Factor- α
- K. A. Yamaoka, H.-E. Claésson, and A. Rosén 1996 Leukotriene B₄ Enhances Activation, Proliferation, and Differentiation of Human B Lymphocytes

MICROBIAL IMMUNOLOGY

- E. Cillari, M. Dieli, E. Maltese, S. Milano, A. Salerno, and F. Y. Liew 2001 Enhancement of Macrophage IL-1 Production by *Leishmania major* Infection In Vitro and Its Inhibition by IFN- γ
- D. P. Harris, B. T. Backstrom, R. J. Booth, S. G. Love, D. R. Harding, and J. D. Watson 2006 The Mapping of Epitopes of the 18-kDa Protein of *Mycobacterium leprae* Recognized by Murine T Cells in a Proliferation Assay
- L. S. Klavinskis, A. Tishon, and M. B. Oldstone 2013 Efficiency and Effectiveness of Cloned Virus-Specific Cytotoxic T Lymphocytes In Vivo
- S. Kumar, M. F. Good, F. Dontaifad, J. M. Vinetz, and L. H. Miller 2017 Interdependence of CD4⁺ T Cells and Malarial Spleen in Immunity to *Plasmodium vinckeii vinckeii*. Relevance to Vaccine Development
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- Y. Suzuki, F. K. Conley, and J. S. Remington 2045 Importance of Endogenous IFN- γ for Prevention of Toxoplasmic Encephalitis in Mice
- M. Yasukawa, A. Inatsuki, and Y. Kobayashi 2051 Differential In Vitro Activation of CD4⁺CD8⁻ and CD8⁺CD4⁻ Herpes Simplex Virus-Specific Human Cytotoxic T Cells

MOLECULAR BIOLOGY • MOLECULAR GENETICS

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