Continued from page 3

**CYTOKINES • MEDIATORS • REGULATORY MOLECULES**


Y. Hitoshi, N. Yamaguchi, S. Mita, E. Sonoda, S. Takaki, A. Tominaga, and K. Takatsu


J. Moeller, L. Hultner, E. Schmitt, M. Breuer, and P. Dörmer

J.-C. Renauld, A. Goethals, F. Houssiau, H. Merz, E. Van Roost, and J. Van Snick

G. Walz, B. Zanker, C. Barth, K. J. Wieder, S. C. Clark, and T. B. Strom

**IMMUNOCHEMISTRY**

C. E. Hack, J. Paardekooper, and F. Van Milligen

J. Hebert, D. Bernier, Y. Boutin, M. Jobin, and W. Mourad

M. W. Nickells and J. P. Atkinson


T. L. O’Keefe, S. Bandyopadhyay, S. K. Datta, and T. Imanishi-Kari


T. Shinji, R. Ono, and S. Ferrone

**IMMUNOPHARMACOLOGY**

J. Balsinde, B. Fernández, and E. Diez

J. B. Klein, T. M. Schepers, W. L. Dean, G. Sonnenfeld, and K. R. McLeish

L. Kobzik, J. J. Godleski, and J. D. Brain

---

4212 Monoclonal Antibodies Block Murine IL-4 Receptor Function

4218 Distribution of IL-5 Receptor-Positive B Cells: Expression of IL-5 Receptor on LY-1(CD5)+ B Cells

4226 IL-6 Stimulates Osteoclast-Like Multinucleated Cell Formation in Long Term Human Marrow Cultures by Inducing IL-1 Release

4231 Purification of MEA, a Mast Cell Growth-Enhancing Activity, to Apparent Homogeneity and Its Partial Amino Acid Sequencing

4235 Human P40/IL-9: Expression in Activated CD4+ T Cells, Genomic Organization, and Comparison with the Mouse Gene

4242 Transcriptional Modulation of Human IL-6 Gene Expression by Verapamil

4249 Demonstration in Human Plasma of a Form of C3 That Has the Conformation of "C3b-Like C3"

4256 Generation of Anti-Idiotypic and Anti-Anti-Idiotypic Monoclonal Antibodies in the Same Fusion: Support of Jerne’s Network Theory

4262 Characterization of CR1- and Membrane Cofactor Protein-Like Proteins of Two Primates

4269 Inhibition of Factor I by Diisopropylfluorophosphat: Evidence of Conformational Changes in Factor I Induced by C3b and Additional Studies on the Specificity of Factor I

4275 V Region Sequences of an Idiotypically Connected Family of Pathogenic Anti-DNA Autoantibodies

4284 Human Epidermal Langerhans Cells Express Only the 40-Kilodalton Fcγ Receptor (FcRII)

4291 Fine Specificity and Idiotype Diversity of a Murine Anti-HLA-DQw3 Monoclonal Antibody Elicited with a Syngenetic Antidiotyptic Monoclonal Antibody

---

4298 Regulation of Arachidonic Acid Release in Mouse Peritoneal Macrophages: The Role of Extracellular Calcium and Protein Kinase C

4305 Role of Intracellular Calcium Concentration and Protein Kinase C Activation in IFN-γ Stimulation of U937 Cells

4312 Selective Down-Regulation of Alveolar Macrophage Oxidative Response to Opsonin-Independent Phagocytosis

Continued on page 5
M. Peters-Golden, R. W. McNish, J. K. Brieland, and J. C. Fantone
A. Yen, I. Gigli, and K. E. Barrett

4320 Diminished Protein Kinase C-Activated Arachidonate Metabolism Accompanies Rat Macrophage Differentiation in the Lung

4327 Dual Effects of Protoporphyrin and Long Wave Ultraviolet Light on Histamine Release from Rat Peritoneal and Cutaneous Mast Cells

**MICROBIAL IMMUNOLOGY**

E. Cenci, L. Romani, A. Vecchiatelli, P. Puccetti, and F. Bistoni
J. A. M. Langermans, M. E. B. van der Hulst, P. H. Nibbering, and R. van Furth
M. Makino, H. C. Morse III, T. N. Fredrickson, and J. W. Hartley
R. C. Mathew, S. Ragheb, and D. L. Boros
C. V. Paya, R. A. Schoon, and P. J. Leibson
R. P. Prioli, J. S. Mejia, and M. E. A. Pereira

4333 T Cell Subsets and IFN-γ Production in Resistance to Systemic Candidosis in Immunized Mice

4340 Activation of Mouse Peritoneal Macrophages during Infection with *Salmonella typhimurium* Does Not Result in Enhanced Intracellular Killing

4347 H-2-Associated and Background Genes Influence the Development of a Murine Retrovirus-Induced Immunodeficiency Syndrome

4356 Recombinant IL-2 Therapy Reverses Diminished Granulomatous Responsiveness in Anti-L3T4-Treated, *Schistosoma mansoni*-Infected Mice

4362 Antigenic Variation of *Giardia lamblia* in Experimental Human Infections

4370 Alternative Mechanisms of Natural Killer Cell Activation during Herpes Simplex Virus Infection

4376 Target Antigens of Transmission Blocking Immunity of *Plasmodium vivax* Malaria: Characterization and Polymorphism in Natural Parasite Isolates

4384 Monoclonal Antibodies against *Trypanosoma cruzi* Neuraminidase Reveal Enzyme Polymorphism, Recognize a Subset of Trypomastigotes, and Enhance Infection in Vitro

**MOLECULAR BIOLOGY • MOLECULAR GENETICS**

M. J. Dewey, C. Rheaume, F. G. Berger, and H. Baumann
A.-M. Eades, M. Litfin, and H. J. Rahmsdorf
I. Hue, J. Trucy, C. McCoy, D. Couez, B. Malissen, and M. Malissen
J. S. Hunt, J. L. Fishback, G. Chumbley, and Y. W. Loke
B. Parhami-Seren, J. Sharon, and M. M. Margolies

4392 Inducible and Tissue-Specific Expression of Rat α-1-Acid Glycoprotein in Transgenic Mice

4399 The IFN-γ Response of the Murine Invariant Chain Gene Is Mediated by a Complex Enhancer That Includes Several MHC Class II Consensus Elements

4410 A Novel Type of Aberrant T Cell Receptor α-Chain Gene Rearrangement: Implications for Allelic Exclusion and the V-J Recombination Process

4420 Identification of Class I MHC mRNA in Human First Trimester Trophoblast Cells by in Situ Hybridization

4426 Structural Characterization of H Chain-Associated Idiotopes of Anti-p-Azophenylarsonate Monoclonal Antibodies

4434 Monocyte Adherence Results in Selective Induction of Novel Genes Sharing Homology with Mediators of Inflammation and Tissue Repair

4442 Northern Hybridization Analysis of *Vh* Gene Expression in Murine Monoclonal Antibodies Directed to Cancer-Associated Ganglioside Antigens Having Various Sialic Acid Linkages
M. E. Dato and Y. B. Kim 4452 Characterization and Utilization of a Monoclonal Antibody Inhibiting Porcine Natural Killer Cell Activity for Isolation of Natural Killer and Killer Cells

A. Eisenthal, R. B. Cameron, and S. A. Rosenberg 4463 Induction of Antibody-Dependent Cellular Cytotoxicity in Vivo by IFN-α and Its Antitumor Efficacy against Established B16 Melanoma Liver Metastases when Combined with Specific Anti-B16 Monoclonal Antibody

T. Kalland 4472 Regulation of Natural Killer Progenitors: Studies with a Novel Immunomodulator with Distinct Effects at the Precursor Level

L. Remels, L. Fransen, K. Huygen, and P. De Baetselier 4477 Poly I:C-Activated Macrophages Are Tumoricidal for TNF-α-Resistant 3LL Tumor Cells

S. L. Topalian, A. Kasid, and S. A. Rosenberg 4487 Immunoselection of a Human Melanoma Resistant to Specific Lysis by Autologous Tumor-Infiltrating Lymphocytes: Possible Mechanisms for Immunotherapeutic Failures

Author Index 4496