Contents

CELLULAR IMMUNOLOGY

V. David, H. Bachelez, G. Leca, L. Degos, L. Boumsell, and A. Bensussan 1
S. M. Denning, P. T. Le, K. H. Singer, and B. F. Haynes 7
J. Koide and E. G. Engleman 32
M. Liu, M. J. Skeen, and R. B. Fritz 41
M. Nowicki, B. Yankelevich, K. F. Stab, F. Austrup, and E. Fritz 47
K. Kolsch 53

S. M. Denning, P. T. Le, K. H. Singer, and B. F. Haynes 1
J. Koide and E. G. Engleman 32
M. Liu, M. J. Skeen, and R. B. Fritz 41
M. Nowicki, B. Yankelevich, K. F. Stab, F. Austrup, and E. Fritz 47
K. Kolsch 53

Identification of a Novel 110-Kilodalton Structure Expressed on a Subset of T Cell Receptor-γδ-Bearing Cloned Lymphocytes
Antibodies against the CD44 p80, Lymphocyte Homing Receptor Molecule Augment Human Peripheral Blood T Cell Activation
Inhibition of Antigen-Specific Proliferation of Type 1 Murine T Cell Clones after Stimulation with Immobilized Anti-CD3 Monoclonal Antibody
Expression of Two Distinct Cytolytic Mechanisms among Murine CD4 Subsets
Differences in Surface Phenotype and Mechanism of Action between Alloantigen-Specific CD8+ Cytotoxic and Suppressor T Cell Clones
Failure of (SJL/J X PL/J)Fl Hybrid Mice to Develop Immunologic Tolerance to Vp 17af T Cells Results in F1 Anti-SJL Mixed Lymphocyte Reaction
Induction of Tolerance to Parental Marrow Grafts in F1 Hybrid Mice: Evidence for Recognition of Self-Antigens
Failure of (SJL/J X PL/J)Fl Hybrid Mice to Develop Immunologic Tolerance to Vp 17af T Cells Results in F1 Anti-SJL Mixed Lymphocyte Reaction
Induction of Tolerance to Parental Marrow Grafts in F1 Hybrid Mice: Evidence for Recognition of Self-Antigens
Regulation of the Anti α(1−3) Dextran IgG Antibody Response of BABL/c Mice by Idiotype-Specific T Suppressor Lymphocytes

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

A. Durandy, L. Thuillier, M. Forveille, and A. Fischer 60
R. Gillitzer and L. M. Pilarski 66
W. H. Hines, R. A. Mann, C. J. Kelly, and E. G. Neilson 75
G. R. Klimpel, C. R. Annable, M. G. Cleveland, T. R. Jerrels, and J. C. Patterson 84
M. G. Kruger and R. L. Riley 103
M. D. Miller, C. I. Lord, V. Stal- lard, G. P. Mazzara, and N. L. Letvin 122
C. R. Wira, C. P. Sandoe, and M. G. Steele 142

Phenotypic and Functional Characteristics of Human Newborns’ B Lymphocytes
In Situ Localization of CD45 Isoforms in the Human Thymus Indicates a Medullary Location for the Thymic Generative Lineage
Murine Interstitial Nephritis. IX. Induction of the Nephritogenic Effector T Cell Repertoire with an Antigen-Specific T Cell Cytokine
Immunosuppression and Lymphoid Hypoplasia Associated with Chronic Graft Versus Host Disease Is Dependent upon IFN-γ Production
The Age-Dependent Loss of Bone Marrow B Cell Precursors in Autoimmune NZ Mice Results from Decreased Mitotic Activity, but Not from Inherent Stromal Cell Defects
An Immunodominant Murine Lymphoma Cell Surface Heterodimer Marks Thymic Progenitor Subsets
The gag-Specific Cytotoxic T Lymphocytes in Rhesus Monkeys Infected with the Simian Immunodeficiency Virus of Macaques
Proliferation of Astrocytes In Vitro in Response to Cytokines: A Primary Role for Tumor Necrosis Factor
Mechanism of Action of a Streptococcal Preparation (OK-432) in Prevention of Autoimmune Diabetes in NOD Mice: Suppression of Generation of Effector Cells for Pancreatic B Cell Destruction
Glucocorticoid Regulation of the Humoral Immune System. I. In Vivo Effects of Dexamethasone on IgA and IgG in Serum and at Mucosal Surfaces

Continued on page 4
Continued from page 3

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

F. Bacle, N. Haeffner-Cavallion, M. Laude, C. Couturier, and M. D. Kazatchkine
J. Suttles, L. M. Carruth, and S. B. Mizel
J. Suttles, J. G. Girl, and S. B. Mizel

IMMUNOCHEMISTRY

P. Garred, T. E. Michaelsen, A. Aase, and T. E. Mollnes
M. Hessing, R. A. A. Vlooswijk, T. M. Hackeng, D. Kantiens, and B. N. Bouma
N. V. Katre
S. Lederman, M. J. Yellin, A. M. Cleary, R. Gulick, and L. Chess
E. I. B. Peerschke and B. Ghebrehiwet
J. M. Tebo and R. F. Mortensen
G. C. Tsokos, T. Kinoshita, G. Thyphronitis, A. D. Patel, H. B. Dickler, and F. D. Finkelstein

IMMUNOPHARMACOLOGY

D. Collado-Escobar, J. R. Cunha-Melo, and M. A. Beaven

147 Induction of IL-1 Release through Stimulation of the C3b/C4b Complement Receptor Type One (CR1, CD35) on Human Monocytes
153 Detection of Neutrophil-Activating Peptide NAP/IL-8 and NAP/IL-8 mRNA in Human Recombinant IL-1α- and Human Recombinant Tumor Necrosis Factor-α-Stimulated Human Dermal Fibroblasts: An Immunocytochemical and Fluorescent In Situ Hybridization Study
162 Direct Evidence for an Intracellular Role for Tumor Necrosis Factor-α: Microinjection of Tumor Necrosis Factor Kills Target Cells
170 Detection of IL-1α and IL-1β in the Supernatants of Paraformaldehyde-Treated Human Monocytes: Evidence against a Membrane Form of IL-1
175 IL-1 Secretion by Macrophages: Enhancement of IL-1 Secretion and Processing by Calcium Ionophores
183 IL-5 Up-Regulates But IL-4 Down-Regulates IL-2R Expression on a Cloned B Lymphoma Line

191 Constitutive and Induced Phosphorylation of the α- and β-Chains of the CD11/CD18 Leukocyte Integrin Family: Relationship to Adhesion-Dependent Functions
198 C3, C4, and the Terminal Complement Complex Differ from Clq by Binding Predominantly to the Antigenic Part of Solid Phase Immune Complexes
204 The Localization of Heparin-Binding Fragments on Human C4b-Binding Protein
209 Immunogenicity of Recombinant IL-2 Modified by Covalent Attachment of Polyethylene Glycol
214 Recombinant, Truncated CD4 Molecule (rT4) Binds IgG
221 Modulation of Platelet Responses to Collagen by Clq Receptors
226 Effect of Isotypes and Allelic Polymorphism on the Binding of Staphylococcal Exotoxins to MHC Class II Molecules
231 Characterization and Isolation of a C-Reactive Protein Receptor from the Human Monocytic Cell Line U-937
239 Interactions between Murine B Lymphocyte Surface Membrane Molecules: Loaded but Not Free Receptors for Complement and the Fc Portion of IgG Co-Cap Independently with Cross-Linked Surface Ig

244 Treatment with Dexamethasone Down-Regulates IgE-Receptor-Mediated Signals and Up-Regulates Adenosine-Receptor-Mediated Signals in a Rat Mast Cell (RBL-2H3) Line
251 Distinct Mechanisms of Suppression of Murine T Cell Activation by the Related Macrolides FK-506 and Rapamycin

Continued on page 5

259 Necessity of IgE Antibodies and Mast Cells for Manifestation of Resistance against Larval Haemaphysalis longicornis Ticks in Mice

Kiso, S. Hirota, H. Ushio, M. Azuma, H. Koyama, and Y. Kitamura

263 Alterations in the Pattern of Arachidonate Metabolism Accompany Rat Macrophage Differentiation in the Lung

MICROBIAL IMMUNOLOGY

W. C. Brown, J. D. Lonsdale-Eccles, J. C. DeMartini, and D. J. Grab

271 Recognition of Soluble Theileria parva Antigen by Bovine Helper T Cell Clones: Characterization and Partial Purification of the Antigen

S. J. Green, M. S. Meltzer, J. B. Hibbs, Jr., and C. A. Nacy

278 Activated Macrophages Destroy Intracellular Leishmania major Amastigotes by an L-Arginine-Dependent Killing Mechanism

W. Jiang, B. J. Lu, P. Munoz, R. J. Dattwyler, and P. D. Corey

284 Cross-Antigenicity between the Major Surface Proteins (ospA and ospB) and Other Proteins of Borrelia burgdorferi


290 Elevated Natural Killer Cell Responses in Mice Infected with Recombinant Vaccinia Virus Encoding Murine IL-2

M. T. Kasai, and C. A. Biron

299 Effects of Cyclosporin A on IL-2 Production and Lymphocyte Proliferation during Infection of Mice with Lymphocytic Choriomeningitis Virus


307 Protection against Murine Neonatal Herpes Simplex Virus Infection by Lymphokine-Treated Human Leukocytes

S. Prakash, A. E. Postlethwaite, G. P. Stricklin, and D. J. Wyler

313 A Selective Signaling Defect in Helper T Cells Induced by Antigen-Presenting Cells from Mice with Murine Acquired Immunodeficiency Syndrome


317 Fibroblast Stimulation in Schistosomiasis. IX. Schistosomal Egg Granulomas from Congenitally Athymic Mice Are Deficient in Production of Fibrogenic Factors

MOLECULAR BIOLOGY • MOLECULAR GENETICS

C. Bonnerot, S. Amigorena, W. H. Fridman, J. Even, and M. Daeron

323 Unmethylation of Specific Sites in the 5' Region is Critical for the Expression of Murine αFcyR Gene


329 Cell Surface Expression of Hybrid Murine/Human MHC Class II αα Dimers: Key Influence of Residues in the Amino-Terminal Portion of the β, Domain

J. Miller, L. Daitch, S. Rath, and E. Selsing

334 Tissue-Specific Expression of Allogeic Class II MHC Molecules Induces Neither Tissue Rejection nor Clonal Inactivation of Alloreactive T Cells

S. Moumni, P. Guglielmi, J.-L. Preudhomme, F. Nau, and M. Cogné

342 Alternate Splice Sites within the Human Vh Gene Coding Sequences Lead to Truncated Ig μ-Chains

P. B. Nakajima, C. J. Betz, and D. Hamburg

348 Expression of Identical VaVβ Gene Pairs by IE-Alloreactive and IE-Restricted, Antigen-Specific T Cells from MHC Disparate Mice: Evidence for Thymic Selection of V(D)J Combinations

S. Natsuume-Sakai, M. Nonaka, M. Nonaka, D. C. Shreffler, and K. Moriwaki

358 Demonstration of an Unusual Allelic Variation of Mouse Factor H by the Complete cDNA Sequence of the H.2 Allotype


363 Patterns and Extent of Isotype-Specificity in the Murine H Chain Switch DNA Rearrangement

D. W. Sears, N. Osman, B. Tate, L. F. C. McKenzie, and P. M. Hogarth

371 Molecular Cloning and Expression of the Mouse High Affinity Fc Receptor for IgG

Continued on page 6
D. L. Woodland, B. L. Kotzin, and E. Palmer 379 Functional Consequences of a T Cell Receptor Dβ2 and Jβ2 Gene Segment Deletion

**TUMOR IMMUNOLOGY**


Erratum 408

Author Index 409