Contents, Vol. 88, 1989

No. 1-2
Preface
Sehon, A.H.

Carl Prausnitz Memorial Lecture
Regulation of the IgE Antibody Response
Ishizaka, K

Genes and Products in IgE Response
Emerging Picture of the Receptor with High Affinity for IgE
Metzger, H.; Blank, U.; Kinet, J.-P.; Kochan, J.; Ra, C;
Rivera, J.; White, K  14

Human FceR II and IgE-Binding Factors
Delespesse, G.; Sarfati, M; Hofstetter, H.; Frost, H.; Kilchherr, E.; Suter, U  18

Interaction of IgE with Its High-Affinity Receptor. Structural Basis and Requirements for Effective Cross-Linking
Baird, B.; Shopes, R.J.; Oi, V.T.; Erickson, J.; Kane, P.; Holowka, D  23

Mediators of Pathological Reactions
A Multifunctional Cytokine (IL-6/BSF-2) and Its Receptor

Involvement of Tumor Necrosis Factor and Other Cytokines in Immune-Mediated Vascular Pathology
Grau, G.E.; Piquet, P.-F.; Vasalli, P.; Lambert, P.-H. . . 34

Granulocyte/Macrophage Colony Stimulating Factor. A Potent Activation Signal for Mature Macrophages and Mono-cytes
Morrissey, P.J.; Grabstein, K.H.; Reed, S.G.; Conlon, P.J. 40

Cellular Network:
Inflammatory and Allergic Reactions
Preferential Differentiation of Inflammatory Cells by Recombinant Human Interleukins

Cells and Secretagogues Involved in the Human Late-Phase Response
Charlesworth, E.N.; Iliopoulos, O.; MacDonald, S.M.; Kagey-Sabotka, A.; Lichtenstein, L.M  50

Selectivity of Mediators Released by Eosinophils
Capron, M.; Tomassini, M.; Torpier, G.; Kusnierz, J.-P.; MacDonald, S.; Capron, A  54
Interleukin 4 Dependent Induction of IgE Synthesis and CD23 Expression by the Supernatants of a Human Helper T Cell Clone Vercelli, D.; Leung, D.Y.M.; Jabara, H.H.; Geha, R.S.. 119
Conditioned Media from Cultured Blood Cells of Atopic Individuals Can Induce Differentiation in the Human Basophilic Leukemia Cell Line KU812
Matsson, P.; Almlöf, I.; Nilsson, K.; Ahlstedt, S 122
Factors Influencing Basophilic Differentiation of HL-60 Cells
Mediators of Pathological Reactions Short Communications
Characteristics of Histamine Secretion Induced by Neuro-peptides: Implications for the Relevance of Peptide-Mast Cell Interactions in Allergy and Inflammation
Pearce, F.L.; Kassassinoff, T.A.; Liu, W.L 129
Free Radicals Induce Ischemia-Reperfusion Injury and Histamine Release in the Isolated Guinea Pig Heart
Masini, E.; Gianella, E.; Palmerani, B.; Pistelli, A.; Gambassi, F.; Mannaioni, P.F 132
Prostaglandin H Synthetase Activates Xenobiotics into Free Radicals: Histamine Release and Biochemical Characteristics
Masini, E.; Gianella, E.; Palmerani, B.; Pistelli, A.; Gambassi, F.; Mannaioni, P.F 134
Ultraviolet A Inhibits Histamine Release from Human Peripheral Leukocytes
Ring, J.; Przybilla, B.; Eberlein, B 136
Chronic Glomerulonephritis: Inflammatory Mediators Stimulate the Collagen Synthesis in Glomerular Epithelial Cells
Hänsch, G.M.; Torbohm, I.; Rother, K 139
Conjunctival Provocation Test as a Model for the Study of Allergy and Inflammation in Humans
Bonini, S.; Bonini, St.; Berruto, A.; Tomassini, M.; Carlesimo, S.; Bucci, M.G.; Balsano, F 144
PAF-Acether and Experimental Anaphylaxis as a Model for Asthma
Pretolani, M.; Lellouch-Tubiana, A.; Lefort, J.; Bachelet, M.; Vargaftig, B.B 149
Effect of Long-Term Administration of Platelet-Activating Factor on Pulmonary Responsiveness and Morphology in the Guinea Pig Mencia-Huerta, J.-M.; Touvay, C; Pfister, A.; Braquet, P. 154
Effect of Platelet-Activating Factor on Monocyte Activation and Production of Tumor Necrosis Factor
Bonavida, B.; Mencia-Huerta, J.-M.; Braquet, P 157
Effect of Long-Term Treatment with Platelet-Activating Factor on Cytokine Production by Rat Spleen Cells Pignol, B.; Hénane, S.; Mencia-Huerta, J.-M.; Braquet, P. 161
Allergens
Molecular Genetics of Human Immune Responsiveness to Lolium perenne (Rye) Allergen, Lol p III (Short Communi
Clonal Analysis of the Cellular Immune Response to the House Dust Mite Dermatophagoides farinae
O’Hehir, R.; Young, D.; Kay, A.B.; Lamb, J

Allergens of the House Dust Mite Dermatophagoides farinae. II. Immunological Characterization of Four Allergenic Molecules
Yamashita, N.; Haida, M.; Suko, M.; Okudaira, H.; Miyamoto, T

Age-Dependent Changes of Isotype and Idiotype Expression in the Antibody Response to the Phosphorylcholine Hapten in BALB/c Mice
Gerber, V.; Ponnappan, U.; Heusser, C.H.; Cinader, B.; Blaser, K

Specificities of IgE and IgG Antibodies in Patients with Birch Pollen Allergy
Jarolim, E.; Rumpold, H.; Endler, A.T.; Schlerka, G.; Ebner, H.; Scheiner, O.; Kraft, D

Inhalant Allergy in Asthmatic Children: Skin Prick Test, Radioallergosorbent Test and Chemiluminescent Assay Compared with Allergen Levels in Their Mattress Dusts
Price, J.A.; Reiser, J.; Longbottom, J.L.; Warner, J.O.

Characterization of Immunologically Important Antigens and Allergens of Aspergillus fumigatus
Longbottom, J.L.; Harvey, C.; Taylor, M.L.; Austwick, P.K.C.; Fitzharris, P.; Walker, C.A

Cellular Network:
Inflammatory and Allergic Reactions
Release of High Molecular Weight-Neutrophil Chemotactic Activity from Human Tissues, Cells and Secretion
Nagakura, T.; Onda, T.; Akimoto, K; Nagakura, H.; Tanka, K.; Ohno, K; Sudo, T.; Ikura, Y

Comparative Studies of Human Eosinophil Migration towards Platelet-Activating Factor and Leukotriene B4
Czarnetzki, B.M.; Csató, M

Flow-Cytometric Analysis of Increased IgE Uptake by Normal Eosinophils following Activation with PAF-Acether and Other Inflammatory Mediators
Walsh, G.M.; Nagakura, T.; Ikura, Y

Effect of Histamine on Chemotaxis and Phagocytosis of Human Alveolar Macrophages and Blood Monocytes
Radermecker, M.; Bury, T.; Saint-Remy, P

IgE Receptors from Rat Intestinal Mucosal and Peritoneal Mast Cells Show Mast Cell Subtype-Specific Differences
Swieter, M.; Chan, B.M.C.; Lee, T.D.G.; Rimmer, C.J.; Froese, A.; Befus, D

Effect of Monoclonal Antihuman IgE on Recombinant IgE(3o 1-376) Inhibition of Specific IgE Histamine Release
Potential Role of Anti-IgE Antibodies in vivo
Stadler, B.M.; Nakajima, K; Yang, X.; de Week, A.L. . . 206
Nasal Mast Cell Response to Natural Allergen Exposure
Enerbäck, L.; Karlsson, G.; Pipkorn, U 209

Contents

Inhibition of Human Eosinophil Chemotaxis and of the IgE-Dependent Stimulation of Human Blood Platelets by Ce-tirizine
De Vos, C; Joseph, M.; Leprevost, C; Vorng, H.; Tomas- sini, M.; Capron, M.; Capron, A 212
Modulation by Drugs of Eosinophil Recruitment Induced by Immune Challenge in the Rat. Possible Roles of Interleu- kin 5 and Platelet-Activating Factor
Etienne, A.; Soulard, C; Thonier, F.; Braquet, P 216
Effect of the Platelet-Activating Factor Antagonist BN 52021 on Human Natural Killer Cell Cytotoxicity Mandi, Y.; Farkas, G.; Koltai, M.; Beladi, I.; Braquet, P. 222
Formation of Oedema and Accumulation of Eosinophils in the Guinea Pig Lung. Inhibition by Inhaled Beta-Stimulants Fügner, A 225
Antiasthmatic Effects of Onions. Prevention of Platelet-Acti- vating Factor Induced Bronchial Hyperreactivity to Hista- mine in Guinea Pigs by Diphenylthiosulfinate
Dorsch, W.; Scharff, J.; Bayer, T.; Wagner, H 228
Effect of Ricin on the Proliferation of Rat Spleen and Mesen- teric Lymph Node Cells
Effect of Neonatal or Later Capsaicin Treatment on Bronchial Reactivity in Sensitized Rats. Relation to Humoral Changes Nilsson, G.; Alving, K.; Lundberg, J.M.; Ahlstedt, S. . . . 234
Relationship between Bacteria and IgE
Effect of Nedocromil Sodium on S02-Induced Airway Hyper- responsiveness and Citric Acid-Induced Cough in Dogs Eady, R.P.; Jackson, D.M 240
Study of the Antiallergic Component of Inosine Pranobex (Inosiplex, Isoprinosine)
Schmutzler, W.; Neukirch, B.; Ziesche, R 244
IgG and IgE Antibodies after Immunotherapy with Bee and Wasp Venom
How to Prevent Allergic Disease. I. Study of Specific IgE, IgG, and IgG4 Antibodies in Serum of Pregnant Mothers, Cord Blood, and Infants
Iikura, Y.; Akimoto, K.; Odajima, Y.; Akazawa, A.; Naga- kura, T 250
Inhibition of Histamine and Prostaglandin D2 Release from Human Lung Mast Cells by Ciclosporin A Triggiani, M.; Cirillo, R.; Lichtenstein, L.M.; Marone, G. 253
Immune Reactions in a Changing Environment. USA Initiatives
Goldstein, R.A 256
Author Index 259
No. 3
Original Paper
Release of Allergens from Cladosporium Conidia
Bouziane, H.; Latgé, J.P.; Mecheri, S.; Fitting, C; Prévost, M.C 261
Suppression by Tetrandrine of Human Platelet Aggregation Induced by Platelet-Activating Factor and Other Stimulants
Teh, B.S.; Ioannoni, B.; Seow, W.K.; McCormack, J.G.; Thong, Y.H 267
Role of Local IgA Antitoxin-Producing Cells for Intestinal Protection against Cholera Toxin Challenge
Lycke, N.; Bromander, A.K.; Holmgren, J 273
Kinetics and Isotype Distribution of Parasite-Specific Antibody Responses in the Spleen of Mice during Primary Infection with Schistosoma mansoni. Studies at the Single-Cell Level
Czerkinsky, C; Nilsson, L.-Å.; Ouchterlony, Ö 280
Neutral Endopeptidase Modulates Tachykinin-Induced Increase in Vascular Permeability in Guinea Pig Skin
Iwamoto, I.; Ueki, I.F.; Borson, D.B.; Nadel, J.A 288
Proliferation of Interleukin 2 Dependent Cytotoxic T Cell Line Cells. Different Protein Kinase C Activators Achieve the Same Maximal Promotion, but with Distinct Dose-Response Profiles
Gavériaux, C; Loor, F 294
Production of Interleukin-1-Alpha and -Beta by Human Peripheral Polymorphonuclear Neutrophils
Goh, K; Furusawa, S.; Kawa, Y.; Negishi-Okitsu, S.; Mizoguchi, M 297
Serum Antibodies to Pseudomonas pseudoalcaligenes in Metal Workers Exposed to Infected Metal-Working Fluids Matsby-Baltzer, I.; Edebo, L.; Järvholm, B.; Lavenius, B. 304
Epstein-Barr Virus Transformed by Human B Lymphocytes End cytose Autologous and Heterologous Red Blood Cells
Garzelli, C; Marchetti, A.; Pacciardi, A.; Puglisi, C; Basolo, F 312
Intra-Epithelial Lymphocytes and Non-Lymphoid Cells in the Human Nasal Mucosa Hameleers, D.M.H.; Stoop, A.E.; van der Ven, I.; Biewenga, J.; van der Baan, S.; Sminia, T 317
Biochemical Characterization of an Antigen-Specific Suppressor T Cell Factor Matsushita, E.; Sumida, T.; Tagawa, M.; Taniguchi, M. 323
Functional Differences of Human Basophils with Different Densities
Morita, Y.; Asakawa, M.; Hirai, K; Takaishi, T.; Miyamoto, T 332

Experimental Drug-Induced Allergic Nephritis Mediated by Antiapten Antibody

Short Communications
Local Murine Recombinant Gamma Interferon Enhances the Acquisition of Allergic Contact Dermatitis in the Mouse
Maguire, H.C., Jr.; Guidotti, M.; Weidanz, W.P 345

Contents

Alterations in Function and Subpopulations of Peripheral Blood Mononuclear Leukocytes in Children with Portal Hypertension. Leukocyte Subtypes and Function in Portal Hypertension
Ferrante, A.; Davidson, G.P.; Beard, L.J.; Goh, D.H.B. 348 Phenotypic and Cellular Changes Associated with Loss of Antigen-Induced Function in Epstein-Barr Virus-Specific Human T-Cell Hybrids
Gallagher, G 353

Ability of Alpha (but Not Beta) Form Interleukin-1 to Support DNA Synthesis in Human Tonsillar B Cells
Gallagher, G.; Christie, J.F.; Stimson, W.H 357

Numbers and Heterogeneity of Mast Cells in the Male Genital Tract of the Rat
Fritz, F.J.; Pabst, R 360

Mast Cell Heterogeneity in the Small Intestine of Normal, Gnotobiotic and Parasitized Pigs
Pabst, R.; Beil, W 363

Cytochemical Evidence of Lack of Basic Protein in Mucosal Mast Cells of the Small Intestine in the Rat
Lunardi, L.O.; Jamur, M.C.; Vugman, I.; Gonçalves, R.P. 367 Microfilament-Associated Local Degranulation of Rat Peritoneal Mast Cells
Mio, M.; Tasaka, K 369

Book Reviews 372

No. 4

Original Paper
Increased Hyaluronan (Hyaluronic Acid) Levels in Broncho-alveolar Lavage Fluid after Histamine Inhalation Söderberg, M.; Bjerner, L.; Häggren, R.; Lundgren, R 373

Inhibition of cAMP Increase by an Antigen-Allergic Agent, NCO-650, during Histamine Release Takei, M.; Matumoto, T.; Endo, K.; Muramatu, M. 377

Budesonide Reduces Sensitivity to Antigen but Does Not Alter Baseline Tone or Responsiveness to Carbachol, Terbutaline, and Enprofylline in IgE-Sensitized Guinea-Pig Tra
Persson, C.G.A.; Andersson, P.T.; Gustafsson, B 381
Occurrence of Histamine-Production-Increasing Factor in the Postanaphylactic Phase of Allergic Inflammation

Hirasawa, N.; Ohuchi, K.; Kawarasaki, K.; Watanabe, M.; Tsurufuji, S 386
Effect of Cyclophosphamide Pretreatment on Defective Delayed-Type Hypersensitivity in Autoimmune-Prone MRL Mice

Comparative Analysis of Physicochemical and Immunochemical Properties of the Two Major Allergens from Dermatophagoides pteronyssinus and the Corresponding Allergens from Dermatophagoides farinae

Yasueda, H.; Mita, H.; Yui, Y.; Shida, T 402
Quantitative Rather Than Qualitative Differences between Monocytes with Respect to IgE Fc Receptor Expression as Studied by Flow Cytocfluorometry

Hed, J.; Halldén, G.; Johansson, S.G.O.; Larsson, P. . . . 408
Human Seminal Plasma Suppresses Delayed-Type Hypersensitivity Responses to Intravaginally Deposited Sheep Red Blood Cells and Sperm: Separation of Immunosuppressive Factors

Lee, H.-K.; Ha, T.-Y 412
Detection of Antigens from Gram-Negative Bacilli in Urine of Children with Urinary Tract Infections. I. Common Anti gen of Enterobacteriaceae

Kim, D.S.; Gorzynski, E.A.; Milgrom, F 420
Detection of Antigens from Gram-Negative Bacilli in Urine of Children with Urinary Tract Infections. II. Thermostable Bacterial Proteins

Kim, D.S.; Gorzynski, E.A.; Milgrom, F 427
Strong Delayed-Type Hypersensitivity Induced against House Dust Mite Antigens in the Mice

Nakano, Y.; Yoshida, M.; Shibata, T 434
 Nedocromil Sodium Inhibits IgE- and IgG-Related Antigen-Induced Contraction in Guinea-Pig Trachea
Bertrand, C; Tschirhart, E.; Landry, Y 439
Potentiation of the Stimulatory Capacity of Pokeweed Mitogen via Its Binding to Autologous Erythrocytes

Uiterdijk, H.G.; Dockes, G.; de Vreede, T.M.; de Vries, E.; Cats, A 447
Effect of Eicosapentaenoic Acid Rich Menhaden Oil and Max-EPA on the Autoimmune Disease of Mrl/l Mice

Westberg, G.; Tarkowski, A.; Svalander, C 454
Effects of Combined Receptor Antagonists of Leukotriene D4(LTD4) and Platelet-Activating Factor (PAF) on Rhesus
Airway Responses to LTD4, PAF and Antigen
Patterson, R.; Harris, K.E.; Bernstein, P.R.; Krell, R.D.;
Handley, D.A.; Saunders, R.N 462

Short Communications
Serum Neopterin in Patients with X-Linked and Acquired ‘Common Variable’
Harland, C; Shah, T.; Webster, A.D.B.; Peters, T.J. ... 471

Effect of Systemic and Orally Administered Iota-Carrageenan
on Ovalbumin-Specific Antibody Response in the Rat
Coste, M.; Dubuquoy, C; Tome, D 474

Author Index 477