

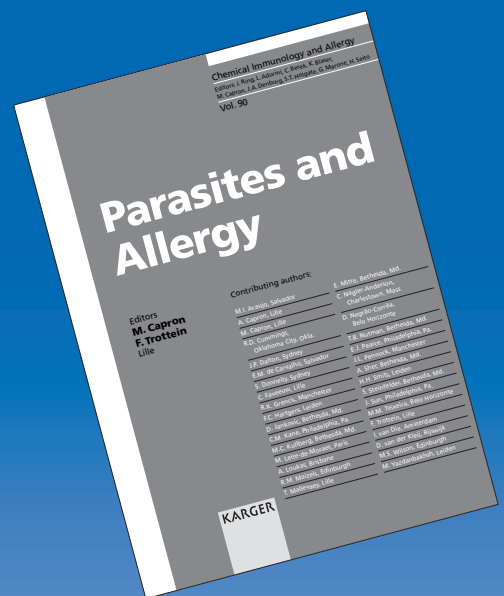
A new dimension of host-parasite interactions

Parasites and Allergy

The inverse correlation between allergic diseases and helminth infections has been debated for over 30 years. It was initially assumed that the underlying mechanism is an imbalance between Th1 and Th2 responses that, as a result of reduced exposure to Th1-inducing infectious pathogens, has tipped to allergic Th2 responses. It has only recently been clearly demonstrated that helminth infections have negative effects on allergic disease manifestation. This was shown to be consistent with the activity of regulatory cell populations, which control the effector mechanisms of both Th1 and Th2. In this book, international experts in the field discuss the various roles of the cell populations involved in allergic reactions and helminth infections such as regulatory T and B cells, natural killer T cells, mast cells and basophils. Essential for specialists and students in the field, the contributions to this volume pave the way to new directions of research for the successful immunization against helminths and the prevention of inflammatory responses in allergic and autoimmune diseases.

Chemical Immunology and Allergy, Vol. 90
Parasites and Allergy
Editors: Capron, M.; Trottein, F. (Lille)
XII + 202 p., 27 fig., 1 in color, 2 tab., hard cover, 2006
CHF 178.- / EUR 127.- / USD 162.00
ISBN 3-8055-7974-8
Prices subject to change
EUR price for Germany, USD price for USA only

KARGER



Editors

Monique Capron, François Trottein

Contents

Foreword

Helminth-Induced Immunoregulation of an Allergic Response to Food

Nagler-Anderson, C.

The Mutual Influence of Nematode Infection and Allergy

Negrão-Corrêa, D.; Teixeira, M.M.

Human Schistosomiasis Decreases Immune Responses to Allergens and Clinical Manifestations of Asthma

Araujo, M.I.; de Carvalho, E.M.

Proteases in Helminth- and Allergen-Induced Inflammatory Responses

Donnelly, S.; Dalton, J.P.; Loukas, A.

Mechanisms Underlying Helminth-Induced Th2 Polarization: Default, Negative or Positive Pathways?

Jankovic, D.; Steinfeldt, S.; Kullberg, M.C.; Sher, A.

Regulation of Dendritic Cell Function by Pathogen-Derived Molecules Plays a Key Role in Dictating the Outcome of the Adaptive Immune Response

Pearce, E.J.; Kane, C.M.; Sun, J.

Glycans Modulate Immune Responses in Helminth Infections and Allergy

van Die, I.; Cummings, R.D.

Role of the Natural Killer T Lymphocytes in Th2 Responses during Allergic Asthma and Helminth Parasitic Diseases

Trottein, F.; Mallevaey, T.; Faveeuw, C.; Capron, M.; Leite-de-Moraes, M.

The Mast Cell and Gut Nematodes: Damage and Defence

Pennock, J.L.; Grecis, R.K.

Basophils, Basophilia and Helminth Infections

Mitre, E.; Nutman, T.B.

Innate, Adaptive and Regulatory Responses in Schistosomiasis: Relationship to Allergy

Hartgers, F.C.; Smits, H.H.; van der Kleij, D.; Yazdanbakhsh, M.

Regulatory T Cells Induced by Parasites and the Modulation of Allergic Responses

Wilson, M.S.; Maizels, R.M.

Author Index and Subject Index

Fields of Interest:

Immunology, Allergy, Infectious Diseases, Helminthology, Microbiology, Parasitology, Pathology, Pneumology, Asthma

The book series

Chemical Immunology and Allergy

Managing Editor: '...There can be few immunologists in a position to ignore the help provided by these timely reviews... essential reading for virtually all immunologists.'

J. Ring, Munich

Series Editors:

L. Adorini, Milan

C. Berek, Berlin

K. Blaser, Davos

M. Capron, Lille

J.A. Denburg, Hamilton, Ont.

S.T. Holgate, Southampton

G. Marone, Naples

H. Saito, Tokyo

Immunology



Vol. 89

Immunology of Pregnancy

Editor: Markert, U.R. (Jena)
XIV + 186 p.; 16 fig.; 2 in color, 3 tab., hard cover, 2005
CHF 158.- / EUR 113.- / USD 143.75
ISBN 3-8055-7970-5

Vol. 88

Immunology of Gametes and Embryo Implantation

Editor: Markert, U.R. (Jena)
XII + 206 p., 10 fig., 8 tab., hard cover, 2005
CHF 176.- / EUR 125.50 / USD 160.00
ISBN 3-8055-7951-9

Vol. 87

Mast Cells in Allergic Diseases

Editors: Saito, H. (Tokyo); Okayama, Y. (Yokohama)
XIV + 218 p., 38 fig., 10 in color, 8 tab., hard cover, 2005
CHF 196.- / EUR 140.- / USD 178.25
ISBN 3-8055-7948-9

Vol. 86

Mechanisms of Epithelial Defense

Editors: Kabelitz, D.; Schröder, J.-M. (Kiel)
XII + 190 p., 21 fig., 2 in color, 4 tab., hard cover, 2005
Institutions: CHF 178.- / EUR 127.- / USD 162.00
Individuals: CHF 89.- / EUR 63.50 / USD 81.00
ISBN 3-8055-7862-8

For more information on these and previous volumes, please log on to www.karger.com/chial

Special price available for members of immunological and allergological societies.

Prices subject to change
EUR price for Germany, USD price for USA only

KARGER

Order Form

Chemical Immunology and Allergy

For easy ordering or additional information log on to:
www.karger.com

Please send:

___ copy/ies: Vol. 90: **Parasites and Allergy**
CHF 178.- / EUR 127.- / USD 162.00
ISBN 3-8055-7974-8

Special price for members of immunological and allergological societies
CHF 142.- / EUR 102.- / USD 129.50

I am a member of the following society:

___ copy/ies: _____
ISBN 3-8055- _____

- the book series **Chemical Immunology and Allergy** on continuation beginning with vol. _____
 information on vols. 1-89

All Karger series are available on continuation. Each volume will be sent upon publication until order is countermanded.

Postage and handling free with prepayment

Payment

Check enclosed Please bill me

Please charge this order to my credit card

American Express Diners Visa
 Eurocard Mastercard

Card No. _____

Exp. date: _____

Name/Address (please print): _____

Date/Signature: _____

Orders can be placed at agencies, bookstores, directly with the publisher, or with any Karger distributor.

S. Karger AG, P.O. Box, 4009 Basel (Switzerland)

Fax +41 61 306 12 34, E-Mail orders@karger.ch

USA: S. Karger Publishers, Inc., 26 West Avon Road, P.O. Box 529, Farmington, CT 06085 (USA), Toll free: 1-800-828-5479

Germany: S. Karger GmbH, 79115 Freiburg

France: Librairie Medi-Sciences Sarl., 75007 Paris

United Kingdom, Ireland: S. Karger AG, London SW6 1RU

Baltic States: Bookshop Krisostomus, 50002 Tartu (Estonia)

Gulf Council Countries, Iran, Middle East,

North Africa, Turkey: Trans Middle East Internat. Distribution Co. Ltd.,

KaSha, Amman 11953 (Jordan)

India, Bangladesh, Sri Lanka: Panther Publishers Private Ltd., Bangalore 560 034 (India)

ASEAN countries, Hong Kong, Taiwan, South Korea:

APAC Publishers Services Pte. Ltd., Singapore 339 940

People's Republic of China: Creative Consulting (Shanghai) Co., Ltd., Shanghai, China 200021

Japan: Karger Japan, Inc., Tokyo 113-0034

Australia: DA Information Services, Mitcham, Vic. 3132 (Australia)

For details see www.karger.com/worldwide