



# Allergy, Immunity and Tolerance in Early Childhood: The First Steps of the Atopic March

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**Allergy, Immunity and Tolerance in Early Childhood: The First Steps of the Atopic March** From Academic Press

Allergy, Immunity and Tolerance in Early Childhood: The First Steps of the Atopic March provides valuable insights on the atopic diseases, including asthma, allergic rhinitis, atopic dermatitis, and food allergies, which have developed into major health problems in most parts of the world.

As the natural history of these chronic diseases has been extensively studied, including their major genetic, environmental, and lifestyle determinants and potential protective factors, the book presents tactics on how pediatric allergists can provide early intervention. In addition, the book unites key, global experts in the field who summarize their collective, and current, knowledge of the early stage of the "Atopic March", along with novel ideas for potential options of prevention.

- Summarizes the current knowledge of the epidemiological, genetic, and cellular basis of allergic diseases
- Ideal reference for the study of allergies in young children, atopic dermatitis, allergic rhinitis, childhood asthma, and food allergies
- Provides landmark findings in the field of immunology and allergy development
- Fulfills the need for a book that focuses on primary and secondary allergy prevention, especially during the first years of life
- Unites key, global experts in the field who summarize their collective, and current, knowledge, along with novel ideas for potential options of prevention



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### **Editorial Review**

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Atopic diseases including asthma, allergic rhinitis, atopic dermatitis as well as food allergies have developed into major health problems in most parts of the world. The natural history of the diseases has been extensively studied including their major genetic, environmental, and lifestyle determinants as well as potential protective factors.

Allergy, Immunity and Tolerance in Early Childhood: The First Steps of the Atopic March addresses these chronic disorders since the early manifestation of both the responsibility and opportunity for Pediatric Allergists is to intervene early, aiming at primary or secondary prevention. This book unites key experts in the field from all over the world, summarizing current knowledge of the early stage of the "Atopic March" as well as novel ideas for potential options of prevention.

#### **About the Author**

1970 Graduation at University of Heidelberg, MD-thesis

1971 - 1972 Postdoc at German Cancer Research Institute, Heidelberg

1972 - 1978 Clinical Training for Pediatrics and Allergology at University Children's Hospital Heidelberg

1978 - 1979 Research Fellow at National Institutes of Health (Clinical Immunology Section) in Bethesda, USA

1979 - 1981 University Children's Hospital, Heidelberg Habilitation (Member of the Faculty) Heidelberg, Senior Staff, Member at Children's Hospital Ruhr-University Bochum

1986 - 1998 Professor for Pediatric Pneumology and Immunology (C3) at Children's Hospital of Free University Berlin, Chief of Pediatric Pneumology Department, Chest Clinic Heckeshorn

1998 - 2012 Chair and Head of the department für Pediatric Pneumology and Immunology (C4), Charité, Berlin

#### **Functions:**

2003 - 2005 President of the European Academy of Allergy and Clinical Immunology

2003 - 2007 Associate Editor: European Respiratory Journal

2003 - 2009 Fachkollegiat of the Deutsche Forschungsgemeinschaft

2010 - 2012 Labor Berlin, Director for Allergy and Immunology

From 2010 Chief Editor: Pediatric Allergy and Immunology (PAI)

Publications: 450 original papers in peer reviewed journals, 30 books/book chapters

Hugh A Sampson, MD, is the Kurt Hirschhorn Professor of Pediatrics, the Dean for Translational Biomedical Sciences, PI and Director of Conduits; Institutes for Translational Sciences (CTSA), and the Director of the Jaffe Food Allergy Institute at the Icahn School of Medicine at Mount Sinai in New York City. Dr. Sampson completed his allergy/immunology fellowship training at Duke University in 1980 and was a faculty member in the Division of Allergy/Immunology at Duke University and then Johns Hopkins University before coming to Mount Sinai. Dr. Sampson's research interests have focused primarily on food allergic disorders including the immunopathogenic role of food hypersensitivity in atopic dermatitis and anaphylaxis, characterization of food allergens, and improved diagnostic tests and immunotherapeutic strategies for treating food allergies. Dr. Sampson is the PI of the NIH-sponsored Consortium on Food Allergy Research and an AACRC program project conducting a number of clinical trials investigating novel therapies for the treatment of food allergy and investigating basic immunologic mechanisms associated with desensitization and the eventual development of tolerance. He has published over 400 articles and 60 book chapters on food allergic disorders and co-edited four books, and was elected to membership in the Institute of Medicine of the National Academies in 2003 for his research in food allergies. Dr. Sampson is past chairman of the Section on Allergy & Immunology of the American Academy of Pediatrics and the past-president of the American Academy of Allergy, Asthma and Immunology.

## **Users Review**

### **From reader reviews:**

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lot of information on it. So when you read this book you can get a lot of gain. The book was written by the very famous author. McDougal makes some research just before write this book. This kind of book very easy to read you may get the point easily after scanning this book.

**Gerardo Roney:**

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