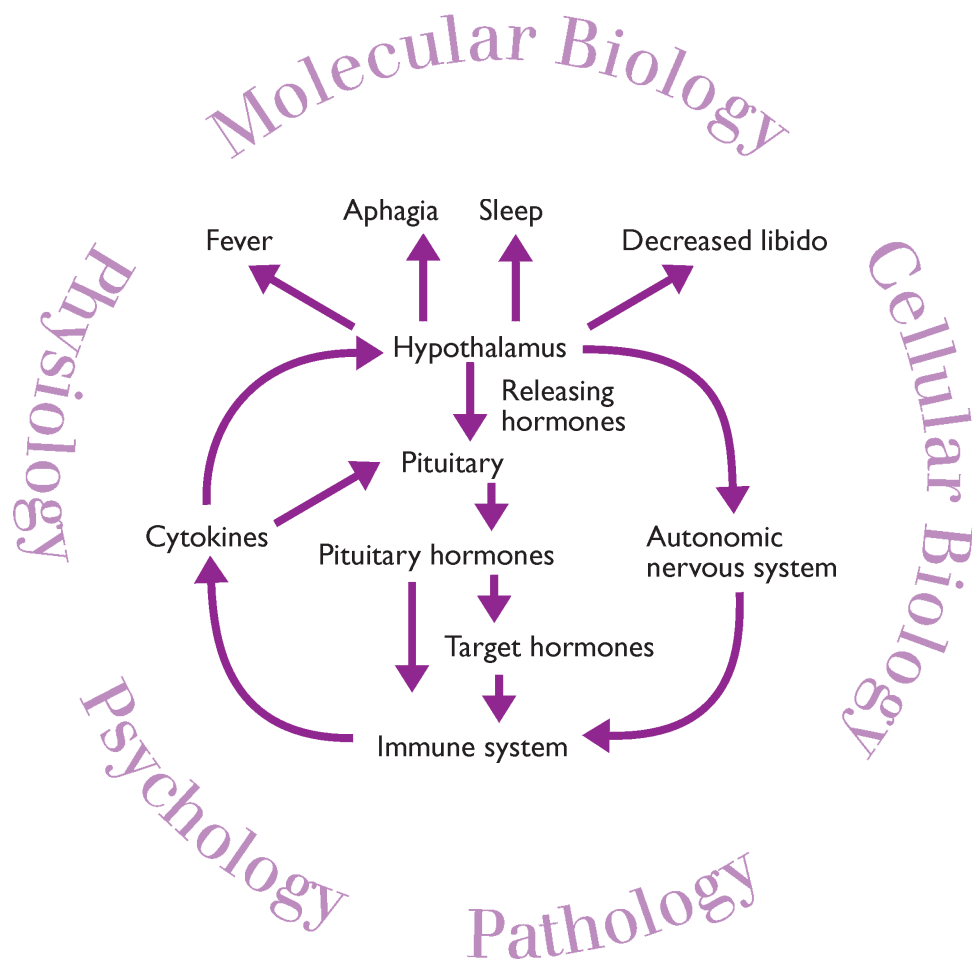
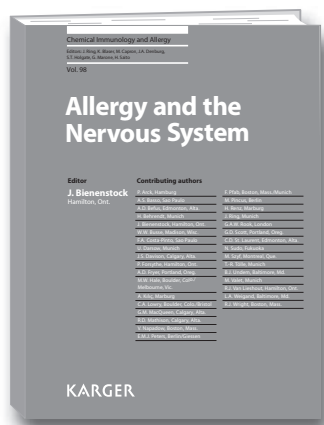


# NeuroImmunoModulation



Towards a holistic way of understanding and treating asthma and allergy



# Allergy and the Nervous System

Editor  
John Bienenstock

Allergy: Neurobiology, Asthma, Immunology, Psychosomatics

In recent decades, it has become increasingly clear that the immune and nervous systems communicate with each other in a bidirectional way. The role of chronic stress in allergic disease and inflammation has been confirmed and raises the important question of how psychosocial factors influence the outcome of allergic conditions.

This book explains the roles of the autonomic, peripheral and central nervous systems in allergy and asthma. With contributions from leading authorities – both clinicians and basic researchers – it covers a wide range of topics from psychology over epigenetics to brain imaging. The 15 invited reviews discuss topics such as the role of stress in allergy and asthma, the concept of programming in utero and in childhood and adulthood, the significance of neurotrophins, and the involvement of the nervous system in the lung in asthma and lung inflammation. The interactions between mast cells and the nervous system are examined as well as the role of the gut microbiome in regulating the hypothalamic-pituitary-adrenal axis and the stress response. Further chapters are devoted to neural and behavioral changes associated with food allergy, the role of the neuroendocrine system in the skin, and the way in which itch is processed by the brain.

Unique in its field, this valuable volume is recommended reading not only for allergologists, psychologists specializing in allergy and somatic manifestations, respirologists and asthma researchers, but for anyone interested in psychoneuroimmunology.

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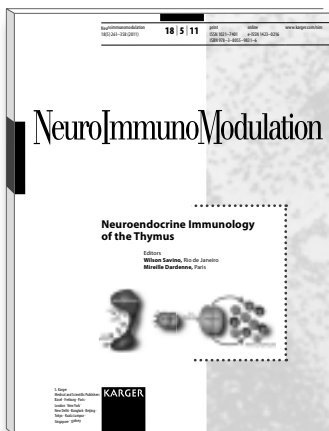
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**Editors**  
**Wilson Savino**  
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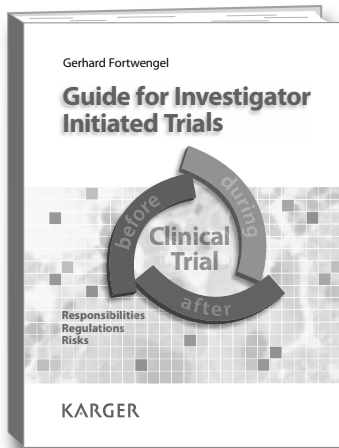
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*An essential manual for beginners and senior researchers alike*



# Guide for Investigator Initiated Trials

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**Gerhard Fortwengel**

**In collaboration with:**

Isabel Böckler, Rafael Dymek, Sebastian Häckl, Alexander Hahn, Katrin Hertwig, Cynthia Kuhn, Birgit Lindner, Sarah Lütken, Christoph Neumann, Marcus Paul, Madlen Pomp, Nadja Schachteli

Documentation, Communication, General Medicine,  
Data Processing, Medical Law

For academic medical faculty unfamiliar with national and international regulations, the prospect of initiating and managing a clinical trial can be intimidating. The development of protocols and case report forms, compliance with regulatory requirements, the monitoring of clinical trials as well as the responsibilities of documentation are just some of the tasks the sponsor-investigator is faced with. This book covers the entire spectrum of a clinical trial, reviewing the different stages step by step: financial planning, crucial aspects of trial design, the authorization process and, finally, documentation. Moreover, it contains helpful tips, a practical glossary, instructions and a large number of resources related to the relevant regulations and forms conforming to the 'International Conference on Harmonization and Good Clinical Practice' and the European legislation. This makes the publication at hand an essential 'cookbook' for both academic faculty new to clinical trials as well as seasoned sponsors-investigators.

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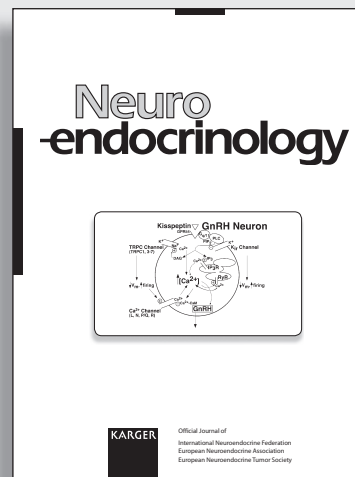
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- ENETS Consensus Guidelines for the Management of Patients with Digestive Neuroendocrine Neoplasms of the Digestive System: Well-Differentiated Pancreatic Non-Functioning Tumors: **Falconi, M.** (Verona); **Bartsch, D.K.** (Marburg); **Eriksson, B.** (Uppsala); **Klöppel, G.** (Munich); **Lopes, J.M.** (Porto); **O'Connor, J.M.** (Buenos Aires); **Salazar, R.** (Barcelona); **Taal, B.G.** (Amsterdam); **Vullierme, M.P.** (Clichy); **O'Toole, D.** (Paris); **all other Barcelona Consensus Conference participants**
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