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Avian Immunology-Karel A. Schat 2012-12-02 The second edition of Avian Immunology provides an up-to-date overview of the current knowledge of avian immunology. From the ontogeny of the avian immune system to practical application in vaccinology, the book encompasses all aspects of innate and adaptive immunity in chickens. In addition, chapters are devoted to the immunology of other commercially important species such as turkeys and ducks, and to ecoimmunology summarizing the knowledge of immune responses in free-living birds often in relation to reproductive success. The book contains a detailed description of the avian innate immune system, encompassing the mucosal, enteric, respiratory and reproductive systems. The diseases and disorders it covers include immunodepressive diseases and immune evasion, autoimmune diseases, and tumors of the immune system. Practical aspects of vaccination are examined as well. Extensive appendices summarize resources for scientists including cell lines, inbred chicken lines, cytokines, chemokines, and monoclonal antibodies. The world-wide importance of poultry protein for the human diet, as well as the threat of avian influenza pandemics like H5N1 and heavy reliance on vaccination to protect commercial flocks makes this book a vital resource. This book provides crucial information not only for poultry health professionals and avian biologists, but also for comparative and veterinary immunologists, graduate students and veterinary students with an interest in avian immunology. With contributions from 33 of the foremost international experts in the field, this book provides the most up-to-date review of avian immunology so far Contains a detailed description of the avian innate immune system reviewing constitutive barriers, chemical and cellular responses; it includes a comprehensive review of avian Toll-like receptors Contains a wide-ranging review of the "ecoimmunology" of free-living avian species, as applied to studies of population dynamics, and reviews methods and resources available for carrying out such research

Avian Immunology-Karel Antoni Schat 2014 The second edition of Avian Immunology provides an up-to-date overview of the current knowledge of avian immunology. From the ontogeny of the avian immune system to practical application in vaccinology, the book encompasses all aspects of innate and adaptive immunity in chickens. In addition, chapters are devoted to the immunology of other commercially important species such as turkeys and ducks, and to ecoimmunology summarizing the knowledge of immune responses in free-living birds often in relation to reproductive success.

Avian Immunology-T. Fred Davison 2008 The second edition of Avian Immunology provides an up-to-date overview of the current knowledge of avian immunology. From the ontogeny of the avian immune system to practical application in vaccinology, the book encompasses all aspects of innate and adaptive immunity in chickens. In addition, chapters are devoted to the immunology of other commercially important species such as turkeys and ducks, and to ecoimmunology summarizing the knowledge of immune responses in free-living birds often in relation to reproductive success. The book contains a detailed description of the avian innate immune system, encompassing the mucosal, enteric, respiratory and reproductive systems. The diseases and disorders it covers include immunodepressive diseases and immune evasion, autoimmune diseases, and tumors of the immune system. Practical aspects of vaccination are examined as well. Extensive appendices summarize resources for scientists including cell lines, inbred chicken lines, cytokines, chemokines, and monoclonal antibodies. The world-wide importance of poultry protein for the human diet, as well as the threat of avian influenza pandemics like H5N1 and heavy reliance on vaccination to protect commercial flocks makes this book a vital resource. This book provides crucial information not only for poultry health professionals and avian biologists, but also for comparative and veterinary immunologists, graduate students and veterinary students with an interest in avian immunology. With contributions from 33 of the foremost international experts in the field, this book provides the most up-to-date review of avian immunology so far Contains a detailed description of the avian innate immune system reviewing constitutive barriers, chemical and cellular responses; it includes a comprehensive review of avian Toll-like receptors Contains a wide-ranging review of the "ecoimmunology" of free-living avian species, as applied to studies of population dynamics, and reviews methods and resources available for carrying out such research

Avian Immunology-A. Benedict 2012-12-06 The ontogeny of lymphoid cells seems the most appropriate place to start. The early events in T and B cell ontogeny are still confusing. There seems to be no agreement on the data and on the semantics of the question of progenitor vs. stem cells. Nevertheless, we are beginning to understand more about progenitor cells which are committed to particular cell lines, and about stem cells in the sense of having almost unlimited capability of giving rise to undifferentiated progeny. An important future development will be to determine the nature of the substances that attract stem cells and which are produced by specialized thymus epithelium, and perhaps by the bursa. The way stem cells recognize these signals is an important question to answer. Not predictable from mammalian models has been the observation that there is a lack of cells called into the bursa even before the signal for entry of stem cells has been shut off. A likely model suggested that after a certain point in development there were no longer any cells capable of migrating into the bursa and becoming B cells. A fascinating possibility is the suggestion that a cell comes into the bursa, is not committed, then can still wander into the thymus. This cell does not appear to have B cell characteristics; that is, immunoglobulin is not expressed on its surface.

Avian Immunology-W. T. Weber 1987

Avian Immunology in Progress-Françoise Coudert 1993

Recent Advances in Avian Immunology Research-Avian Immunology Research Group. Meeting 1989 Explores the latest developments in the application of biotechnology to vaccination against poultry disease. Presents basic avian immunology experimental models, applications, and issues currently under investigation. Topics covered include gene cloning; use of monoclonal antibodies; T-cell cloning; and the development of anti-idiotopic antibodies as alternative surrogate antigen.

Advances in Avian Immunology Research-T. Fred Davison 1995

Avian Immunology-P. C. Powell 1982

Avian Immunology-George J. Brewer 1987

Handbook of Vertebrate Immunology-Paul-Pierre Pastoret 1998 This unique book provides a comprehensive and comparative guide to the immune systems of major vertebrate species, including domestic and wild animals of veterinary or medical interest, fish and amphibia. Data in this essential reference work has been compiled by world-renowned editors and an international group of authors. For each species, the information is presented in a structured 'user-friendly' format allowing easy cross reference and comparison between the various species. This book will be considered the definitive reference work on vertebrate immunology and will be essential for scientists and professionals working in Immunology, Vaccinology or with Animal Models, for students of Veterinary or Human Medicine, Biology and researchers in Comparative Medicine and Physiology. Each section, devoted to a major animal group covers: Lymphoid organs and their anatomical disposition Leukocytes and their markers Leukocyte traffic and associated molecules Cytokines T cell receptors Immunoglobulins MHC antigens Ontogeny of the immune system Passive transfer of immunity Neonatal immune responses Non-specific immunity Complement system Mucosal immunity Immunodeficiencies Tumours of the immune system Autoimmunity

AIRG Conference-Avian Immunology Research Group. Meeting 2008

Avian Biochemistry and Molecular Biology-Lewis Stevens 2004-11-11 Up-to-date reference book on all aspects of bird biochemistry and molecular biology.

Avian Immunology-International Conference on Avian Immunology, University of Hawaii, 1977 1977

Recent Advances in Avian Immunology Research-Balbir S. Bhogal 1989-06-15 Explores the latest developments in the application of biotechnology to vaccination against poultry disease. Presents basic avian immunology experimental models, applications, and issues currently under investigation. Topics covered include gene cloning; use of monoclonal antibodies; T-cell cloning; and the development of anti-idiotopic antibodies as alternative surrogate antigen.

Immunology and Developmental Biology of the Chicken-Olli Vainio 2012-12-06 Books on both chicken immunology and developmental biology are rare. This one, however, summarizes all aspects of both areas and therefore represents a valuable compendium for experienced researchers as well as for all newcomers to the field. Following a lengthy discussion of the origin of hemopoietic cells, regulatory elements for the differentiation of these cells and B and T cell lymphopoiesis, the book goes on to describe the generation of transgenic chickens as well as an additional basic feature in embryogenesis: the positioning of organ anlage, e.g. the limb bud. To round off, a valuable compilation of monoclonal antibodies further enhances the practical usefulness of this important book.

Avian Immunology-M. E. Rose 1981

Avian Immunology. 2nd International Conference ... , Philadelphia, Pennsylvania, July 13-15, 1986-W. T. Weber 1987

Avian Immunology-W. T. Weber 1987

Avian Immunology-M. E. Rose 1981

Progress in Clinical and Biological Research-George J. Brewer 1975

Poultry Science- 1995 Vol. 5 includes a separately paged special issue, dated June 1926.

Proceedings- 1983

Immunology-R. J. Turner 1994-08-08 This text is aimed at those students and research workers who have some knowledge of immunology, but are curious about the advances, opportunities and challenges in comparative work. It answers questions about the similarities between different orders, classes, phyla and kingdoms.

The Journal of Immunology- 2007

Pathogenesis of Acute Avian Malaria-Jiya Lal Soni 1973

Encyclopedia of Immunology-Ivan Maurice Roitt 1992 V.1. A-Eps. v.2. Ery-Mate. v.3. Matu-Z.

Avian Immune Responses to Feed Restriction and West Nile Virus-Carol Anne Fassbinder-Orth 2008

Immunology Methods Manual: Immunodiagnosis of human B cell malignancies-Ivan Lefkovits 1997

Institute for Animal Health-Institute for Animal Health (Great Britain) 2003

Immunological and Developmental Studies with Quail-chicken Hybrids-Caryl Lynn Greenfield 1988

The Immune System-Agustin G. Zapata 1990-12-31 This is the first book to cover aspects of cell biology, histology and current experimental immunology in the broadest context and, at the same time, delve into these phenomena in ectothermic vertebrates, birds, and a few unique mammals such as monotremes and marsupials. The authors explore the evolution of the immune system and illuminate its structure and function. They also note new findings that suggest immunity in ectotherms is strongly influenced by ambient factors.

Scientific Program & Proceedings-Avian Immunology Research Group Meeting 2010

Avian Diseases- 1979

Animal Models of Comparative and Developmental Aspects of Immunity and Disease-M. Eric Gershwin 1978

The Role of Lactobacillus Reuteri in Controlling Avian Growth Depression (AGD)-Holly Joyce Dunham 1996

XI Avian Immunology Research Group Meeting-Diamond Congress (Budapest). 2010

Studia biophysica- 1989

Research Report-Commonwealth Scientific and Industrial Research Organization (Australia). Division of Animal Health 1982

Group Work with Adolescents, Third Edition-Andrew Malekoff 2015-11-17 A trusted course text and professional resource, this comprehensive book delves into all aspects of planning and conducting strengths-based group work with adolescents. In an accessible, down-to-earth style, Andrew Malekoff spells out the principles of effective group practice. Extensive clinical illustrations show how successful group leaders engage teens in addressing tough issues—including violence, sexuality, prejudice, social isolation, and substance abuse—in a wide range of settings. Normative issues that adolescents face in the multiple contexts of their lives are lucidly explained. Packed with creative ideas and activities, the book helps readers develop their skills as confident, reflective practitioners. New to This Edition *Significantly revised chapters on group work essentials, school-based practice, and trauma. *Additional topics: social media and cyberbullying, expressive and animal-assisted therapies, mindfulness, adolescent brain development, and more. *Updated practice principles, information, and references. *Numerous new practice illustrations.