Record Nr. UNINA9910459091903321 Avian immunology [[electronic resource] /] / edited by Karel A. Schat, **Titolo** Bernd Kaspers, Pete Kaiser Pubbl/distr/stampa San Diego, Calif., : Academic Press, 2014 **ISBN** 1-78402-348-5 0-12-397272-8 Edizione [2nd ed.] 1 online resource (456 p.) Descrizione fisica Altri autori (Persone) SchatKarel. A KaspersBernd KaiserPete Disciplina 571.9618 Soggetti Poultry - Immunology Birds - Immunology Poultry - Diseases Birds - Diseases Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Front Cover; Avian Immunology; Copyright Page; Contents; Acknowledgments; Foreword; List of Contributors; 1 The Importance of the Avian Immune System and its Unique Features; 1.1 Introduction; 1.2 The Contribution of Avian Lymphocytes; 1.3 The Contribution of the Bursa of Fabricius; 1.3.1 Gene Conversion and the Bursa; 1.4 The Contribution of the Chicken MHC; 1.5 The Contributions to Vaccinology; 1.5.1 Embryonic (In Ovo) Vaccination; 1.6 Conclusions; References: 2 Structure of the Avian Lymphoid System: 2.1 Introduction; 2.2 The Thymus; 2.2.1 Anatomy and Histological Organization 2.2.2 Thymic Cortex2.2.3 Thymic Medulla; 2.2.4 Thymic Cortico-Medullary Border; 2.3 The Bursa of Fabricius; 2.3.1 Anatomy and Histology; Bursal Surface Epithelium; 2.3.2 Bursal Follicle; 2.3.3 Medulla; Bursal Medullary Epithelial Cells; Bursal Secretory Dendritic

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## Sommario/riassunto

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 avia