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Nota di contenuto	Frontmatter -- CONTENTS -- CONTRIBUTORS -- FOREWORD -- CHAPTER ONE. Ecological Associations of West Nile Virus and Avian Hosts in an Arid Environment -- CHAPTER TWO. The Trans-Atlantic Movement of the Spirochete <i>Borrelia garinii</i> : THE ROLE OF TICKS AND THEIR SEABIRD HOSTS -- CHAPTER THREE. Parasitism in the Endemic Galápagos Dove (<i>Zenaida galapagoensis</i>) and Its Relation to Host Genetic Diversity and Immune Response -- CHAPTER FOUR. Prevalence and Effects of West Nile Virus on Wild American Kestrel (<i>Falco sparverius</i>) Populations in Colorado -- CHAPTER FIVE. First Example of a Highly Prevalent but Low-Impact Malaria in an Endemic New Zealand Passerine: PLASMODIUM OF TIRITIRI MATANGI ISLAND BELLBIRDS (<i>ANTHORNIS MELANURA</i>) -- CHAPTER SIX. Prototype System for Tracking and Forecasting Highly Pathogenic H5N1 Avian Influenza Spread in North America -- CHAPTER SEVEN. Immunophenotyping of Avian Lymphocytes: IMPLICATIONS AND FUTURE FOR UNDERSTANDING DISEASE IN BIRDS -- CHAPTER EIGHT. Zoonotic Diseases: WHAT ORNITHOLOGISTS AND BIRD BANDERS SHOULD KNOW -- INDEX -- STUDIES IN AVIAN BIOLOGY. Complete Series List
Sommario/riassunto	In this volume, new human disease pandemics, arising from animals stimulated by ongoing environmental change, demonstrate the value of

ornithological research into avian diseases. A group of 29 researchers addresses a diverse set of topics, including the evolutionary and ecological aspects of the host-vector systems, the effects of genetic variation, introduction success and vector ecology, evolution of resistance and virulence of pathogens, and the effects of changing geographic distributions. In addition to empirical studies under field conditions, the authors present predictive models to assess the movement and potential impact of these diseases. Other chapters delve into the potential impacts of pathogens and the key role of biosurveillance and documenting impacts of disease on bird populations.
