

Contents

List of Contributors.....vii

Preface.....xi

- Chapter 1 Insect Innate Immunity Database (IID): An Annotation Tool for Identifying Immune Genes in Insect Genomes** 1
Robert M. Brucker, Lisa J. Funkhouser, Shefali Setia, Rini Pauly, Seth R. Bordenstein
- Chapter 2 Behavioral Immunity in Insects**..... 13
Jacobus C. de Roode, and Thierry Lefèvre
- Chapter 3 Insecticide Resistance in Eggs and First Instars of the Bed Bug, *Cimex lectularius* (Hemiptera: Cimicidae)** 59
Brittany E. Campbell, and Dini M. Miller
- Chapter 4 Viral Counter Defense X Antiviral Immunity in Plants: Mechanisms for Survival** 75
Alessandra Tenório Costa, Juliana Pereira Bravo, Rodrigo Kazuo Makiyama, Alessandra Vasconcellos Nunes, and Ivan G. Maia
- Chapter 5 Chemical Cues for Malaria Vectors Oviposition Site Selection: Challenges and Opportunities**..... 121
Yousif E. Himeidan, Emmanuel A. Temu, El Amin El Rayah, Stephen Munga, and Eliningaya J. Kweka
- Chapter 6 Evolutionary Genetics of Insect Innate Immunity** 143
Lumi Viljakainen
- Chapter 7 Insect Vectors of Rice Yellow Mottle Virus**..... 157
Augustin Koudamiloru, Francis Eegbara Nwilene, Abou Togola, and Martin Akogbeto

Chapter 8	Influences of Plant Traits on Immune Responses of Specialist and Generalist Herbivores	189
	Influences of Plant Traits on Immune Responses of Specialist and Generalist Herbivores	
Chapter 9	Spotting the Differences: Probing /Microbiota Interactions with a Dedicated Software Tool for the Analysis of Faecal Outputs in <i>Drosophila</i>	217
	Matthew T. Wayland, Arnaud Defaye, Joao Rocha, Satish Arcot Jayaram, Julien Royet, Irene Miguel-Aliaga, François Leulier, and Paola Cognigni	
Chapter 10	Synthesis, Depletion and Cell-Type Expression of a Protein from the Male Accessory Glands of the Dengue Vector Mosquito <i>Aedes Aegypti</i>.....	265
	Catalina Alfonso-Parra, Frank W. Avila, Prasit Deewatthanawong, Laura K. Sirot, Mariana F. Wolfner, Laura C. Harrington	
	Citations.....	269
	Index.....	273