

# CONTENTS

- 1 Introduction to the Immune System, 1**  
*Nomenclature, General Properties, and Components*
  - 2 Innate Immunity, 23**  
*The Early Defense Against Infections*
  - 3 Antigen Capture and Presentation to Lymphocytes, 51**  
*What Lymphocytes See*
  - 4 Antigen Recognition in the Adaptive Immune System, 73**  
*Structure of Lymphocyte Antigen Receptors and Development of Immune Repertoires*
  - 5 T Cell–Mediated Immunity, 96**  
*Activation of T Lymphocytes*
  - 6 Effector Mechanisms of T Cell–Mediated Immunity, 119**  
*Functions of T Cells in Host Defense*
  - 7 Humoral Immune Responses, 137**  
*Activation of B Lymphocytes and Production of Antibodies*
  - 8 Effector Mechanisms of Humoral Immunity, 158**  
*Elimination of Extracellular Microbes and Toxins*
  - 9 Immunologic Tolerance and Autoimmunity, 177**  
*Self–Nonself Discrimination in the Immune System and Its Failure*
  - 10 Immunology of Tumors and Transplantation, 196**  
*Immune Responses to Cancer Cells and Normal Foreign Cells*
  - 11 Hypersensitivity, 218**  
*Disorders Caused by Immune Responses*
  - 12 Congenital and Acquired Immunodeficiencies, 235**  
*Diseases Caused by Defective Immunity*
- Selected Readings, 252  
Glossary, 260  
Appendix I: Principal Features of Selected CD Molecules, 288  
Appendix II: Cytokines, 296  
Appendix III: Clinical Cases, 300  
Index, 313