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Nota di contenuto	Contents; Contributors; Preface; Access to Colour Illustrations; 1 Molecular Analysis of Nematode Evolution; 2 The Wolbachia Endosymbionts of Filarial Nematodes; 3 Forward Genetic Analysis of Plant-parasitic Nematode-Host Interactions; 4 Identification of Parasitic Nematodes and Study of Genetic Variability Using PCR Approaches; 5 Diversity in Populations of Parasitic Nematodes and its Significance; 6 New Insights into the Intestinal Niche of <i>Trichinella spiralis</i> ; 7 Genetic Reprogramming of Mammalian Skeletal Muscle Cells by <i>Trichinella spiralis</i> ; 8 Plant-parasitic Nematodes 9 The Nematode Cuticle: Synthesis, Modification and Mutants 10 Chitinases of Filarial Nematodes; 11 Acetylcholinesterase Secretion by Nematodes; 12 The Surface and Secreted Antigens of <i>Toxocara canis</i> : Genes, Protein Structure and Function; 13 Nematode Gut Peptidases, Proteins and Vaccination; 14 Metabolic Transitions and the Role of the Pyruvate Dehydrogenase Complex During Development of <i>Ascaris suum</i> ; 15 Novel Carbohydrate Structures; 16 Structurally Novel Lipid-binding Proteins

17 T Helper Cell Cytokine Responses During Intestinal Nematode Infection: Induction, Regulation and Effector Function 18 Gut Immunopathology in Helminth Infections - Paradigm Lost?; 19 Immunomodulation by Filarial Nematode Phosphorylcholine-containing Glycoproteins; 20 Nematode Neuropeptides; 21 Neurobiology of Nematode Muscle: Ligand-gated Ion-channels and Anti-parasitic Drugs; Index

Sommario/riassunto

An understanding of the structure and function of genes, membrane and antigens of parasitic nematodes will help develop strategies to eliminate them or reduce their impact. This book outlines the advances made in the expanding area of research.
