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Nota di contenuto	OLFACTION IN MOSQUITO-HOST INTERACTIONS; Contents; Participants; Preface; Chairman's introduction; Introduction I: an overview of mosquito biology, behaviour and importance; Vector insects and their control; Genetics, ecology and behaviour of anophelines; General discussion I; Introduction II: olfactory control of mosquito behaviour; Odour plumes and odour-mediated flight in insects; Olfactory basis of host location by mosquitoes and other haematophagous Diptera; Selection of biting sites by mosquitoes; General discussion II The role of mosquito olfaction in oviposition site location and in the avoidance of unsuitable hostsIntroduction III: odours for host-finding mosquitoes; A search for components in human body odour that attract females of Aedes aegypti; Introduction IV: coding mechanisms in insect olfaction; Structure and function of insect olfactory sensilla; General discussion III; Central olfactory pathways in mosquitoes and other insects; Sensory aspects of host location in mosquitoes;

Endogenous factors regulating mosquito host-seeking behaviour;
General discussion IV
Electrophysiological responses from receptor neurons in mosquito
maxillary palp sensilla Responses of antennal olfactory receptors in the
yellow fever mosquito *Aedes aegypti* to human body odours; The
multiple role of the pheromone-binding protein in olfactory
transduction; General discussion V; Genetic and molecular studies of
olfaction in *Drosophila*; Synthesis and future challenges: the response
of mosquitoes to host odours; Index of contributors; Subject index

Sommario/riassunto

This new work contains the first integrated discussion of the role of olfaction in mosquito-host interactions. It covers the practical applications of this knowledge in attempting to control malaria as a problem for world health. The volume begins with a general overview of mosquito life cycle styles and how odour-mediated host location fits into the repertoire of behaviours that a specific species may exhibit. Certain aspects of insect olfaction and its underlying physiological mechanisms are incorporated within the book.
