

1. Record Nr.	UNINA9910454440103321
Titolo	Tinbergen's legacy : function and mechanism in behavioral biology // edited by Johan J. Bolhuis, Simon Verhulst [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2009
ISBN	1-107-19820-8 1-281-98246-6 9786611982461 0-511-46272-7 0-511-46504-1 0-511-46430-4 0-511-46197-6 0-511-61999-5 0-511-46351-0
Descrizione fisica	1 online resource (xxiii, 238 pages) : digital, PDF file(s)
Disciplina	591.5
Soggetti	Animal behavior - Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references (p. 197-227) and index.
Nota di contenuto	On aims and methods of ethology / N. Tinbergen -- Tinbergen's four questions and contemporary behavioral biology / Jerry A. Hogan and Johan J. Bolhuis -- Causation : the study of behavioral mechanisms / Jerry A. Hogan -- Tinbergen's fourth question, ontogeny : sexual and individual differentiation / David Crews and Ton Groothuis -- The development of behavior : trends since Tinbergen (1963) / Jerry A. Hogan and Johan J. Bolhuis -- The study of function in behavioral ecology / Innes Cuthill -- The evolution of behavior, and integrating it towards a complete and correct understanding of behavioral biology / Michael J. Ryan -- Do ideas about function help in the study of causation? / David F. Sherry -- Function and mechanism in neuroecology : looking for clues / Johan J. Bolhuis.
Sommario/riassunto	Nobel laureate Niko Tinbergen laid the foundations for the scientific study of animal behaviour with his work on causation, development,

function and evolution. In this book, an international cast of leading animal biologists reflect on the enduring significance of Tinbergen's groundbreaking proposals for modern behavioural biology. It includes a reprint of Tinbergen's original article on the famous 'four whys' and a contemporary introduction, after which each of the four questions are discussed in the light of contemporary evidence. There is also a discussion of the wider significance of recent trends in evolutionary psychology and neuroecology to integrate the 'four whys'. With a foreword by one of Tinbergen's most prominent pupils, Aubrey Manning, this wide-ranging book demonstrates that Tinbergen's views on animal behaviour are crucial for modern behavioural biology. It will appeal to graduate students and researchers in animal behaviour, behavioural ecology and evolutionary biology.
