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Titolo	Pavlov's dogs and Schrodinger's cat [[electronic resource]] : scenes from the living laboratory / / Rom Harre
Pubbl/distr/stampa	Oxford ; ; New York, : Oxford University Press, 2009
ISBN	1-383-03708-6 1-282-12609-1 9786612126093 0-19-155348-4
Descrizione fisica	1 online resource (337 p.)
Disciplina	507.2
Soggetti	Research - History Science - History Animal experimentation - History Botany - History
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (p. 302-311) and index.
Nota di contenuto	Instruments and apparatus : tools for experimenting -- Detecting : hyenas, frogs, zebra fish, and assorted farm animals -- Measuring : the bodies of kings, fossils, lichen, and pollen grains -- Extending an established domain : dogs, horses, frogs, and trees -- Exploring a new domain : a bald mouse, two chimpanzees, and some people -- Testing hypotheses : more dogs, monkeys, and ticks -- Modelling individuals : yet more dogs, a few mice, and one human stomach -- Modelling worlds : voles, peas, fruit flies, finches, and deep oceanic worms -- Practising deception : spring wheat and midwife toads -- Inventing novel beings : an imaginary cat and virtual life forms.
Sommario/riassunto	From the sheep, dog, and cockerel that were sent aloft in Montgolfier's balloon to test the air over Paris, to the famous clone Dolly the Sheep and the Darwinian finches of the Galapagos, Pavlov's Dogs and Schrodinger's Cat offers a look at the use of plants and animals--including humans--in scientific experiments. Rom Harre provides a fresh perspective on research, setting aside moral reflection to simply examine the history of how and why living creatures have been used for

the purposes of discovery. From Gregor Mendel's use of pea plants to explore heredity, to Barry Marshall's used of himself as the experimental animal in his helicobacter experiments (he survived) and even the use of an imaginary cat in Schrodinger's famous thought experiment, the reader encounters a new perspective on scientific work.
