

1. Record Nr.	UNINA9910143696703321
Titolo	Percept, decision, action [[electronic resource]] : bridging the gaps // editors, Derek J. Chadwick and Mathew Diamond (organizers) and Jamie Goode
Pubbl/distr/stampa	Chichester, UK ; ; Hoboken, NJ, : Wiley, 2006
ISBN	1-280-45059-2 9786610450596 0-470-03498-X 0-470-03497-1
Descrizione fisica	1 online resource (315 p.)
Collana	Novartis Foundation symposium ; ; 270
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Disciplina	152.1 612.823
Soggetti	Perceptual-motor processes Perception Motor ability - Physiological aspects Psychophysics Psychology, Comparative Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Active construction of percepts about object location / Dori Derdikman ... [et al.] -- Neuronal encoding of natural stimuli: the rat tactile system / Mathew E. Diamond, Erik Zorzin, and Ehsan Arabzadeh -- Cortical commands in active touch / Michael Brecht -- Switching of sensorimotor transformations: antisaccades and parietal cortex / Shabtai Barash and Mingsha Zhang -- Saccade initiation and the reliability of motor signals involved in the generation of saccadic eye movements / David L. Sparks and Xintian Hu -- Multiple roles of experience in decoding the neural representation of sensory stimuli / Joshua I. Gold --

Computational approaches to visual decision making / Jochen Ditterich
-- The inferior parietal lobule: where action becomes perception /
Giacomo Rizzolatti ... [et al.] -- The evolution of the neocortex in
mammals: intrinsic and extrinsic contributions to the cortical
phenotype / Sarah J. Karlen and Leah Krubitzer -- General discussion III
-- Decoding the temporal evolution of a simple perceptual act /
Ranulfo Romo ... [et al.] -- Probabilistic mechanisms in sensorimotor
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Rafael Malach --
Representation of object images by combinations of visual features in
the macaque inferior temporal cortex / Manabu Tanifuji, Kazushige
Tsunoda, and Yukako Yamane -- Psychophysical investigations into
cortical encoding of vibrotactile stimuli / Justin A. Harris -- Why is
language unique to humans? / Jacques Mehler ... [et al.]

Sommario/riassunto

Seemingly simple behaviours turn out, on reflection, to be discouragingly complex. For many years, cognitive operations such as sensation, perception, comparing percepts to stored models (short-term and long-term memory), decision-making and planning of actions were treated by most neuroscientists as separate areas of research. This was not because the neuroscience community believed these operations to act independently-it is intuitive that any common cognitive process seamlessly interweaves these operations-but because too little was known about the individual processes constituting the full
