

1. Record Nr.	UNINA9910136401203321
Autore	Kerstin Preuschoff
Titolo	Decision making under uncertainty // topic editors Kerstin Preuschoff, Peter N. C. Mohr and Ming Hsu
Pubbl/distr/stampa	Frontiers Media SA, 2015 France : , : Frontiers Media SA, , 2015
ISBN	9782889194667 (ebook)
Descrizione fisica	1 online resource (143 pages) : illustrations
Collana	Frontiers Research Topics
Disciplina	153.8/3
Soggetti	Neurosciences Biological psychiatry Neuropsychiatry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	Most decisions in life are based on incomplete information and have uncertain consequences. To successfully cope with real-life situations, the nervous system has to estimate, represent and eventually resolve uncertainty at various levels. A common tradeoff in such decisions involves those between the magnitude of the expected rewards and the uncertainty of obtaining the rewards. For instance, a decision maker may choose to forgo the high expected rewards of investing in the stock market and settle instead for the lower expected reward and much less uncertainty of a savings account. Little is known about how different forms of uncertainty, such as risk or ambiguity, are processed and learned about and how they are integrated with expected rewards and individual preferences throughout the decision making process. With this Research Topic we aim to provide a deeper and more detailed understanding of the processes behind decision making under uncertainty.