Record Nr.	UNINA9910137199203321
Autore	Takahiro Kawabe
Titolo	Awareness shaping or shaped by prediction and postdiction [[electronic resource] /] / edited by Yuki Yamada, Takahiro Kawabe and Makoto Miyazaki
Pubbl/distr/stampa	Frontiers Media SA, 2015
	Lausanne, Switzerland : , : Frontiers Media SA, , 2015 ©2015
Descrizione fisica	1 online resource (155 pages) : illustrations, charts; digital, PDF file(s)
Collana	Frontiers Research Topics
Disciplina	152.1
Soggetti	Psychology
	Neuroscience
	Human Anatomy & Physiology
	Health & Biological Sciences
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.
Nota di contenuto	Awareness shaping or shaped by prediction and postdiction: editorial Apparent motion can impair and enhance target visibility: the role of shape inpredicting and postdicting object continuityIllusory motion and mislocalization of temporally offset target in apparent motion displaySpatial warping by oriented line detector scan counteract neural delaysPrediction, postdiction, and perceptual length contraction: a Bayesian low-speed prior captures the cutaneous rabbit and related illusionsA transient auditory signal shifts the perceived offset position of a moving visual objectAdaptation to implied tilt: extensive spatial extrapolation of orientation gradients8 The experience of agency: an interplay between prediction and postdiction Awareness as observational heterarchyEffects of consciousness and consistency in manual control of visual stimulus on reduction of the flash-lag effect for luminance changeVisuomotor control of human adaptive locomotion:understanding the anticipatory nature Imposed visual feedback delay of an action changes mass perception based on the sensory prediction errorNeurobiological mechanisms

1.

	behind the spatiotemporal illusions of awareness used for advocating prediction or postdictionDo the flash-lag effect and representational
	momentum involve similar extrapolations?Postdiction: its implications on visual awareness hindsight, and sense of agency.
Sommario/riassunto	momentum involve similar extrapolations?Postdiction: its implications on visual awareness, hindsight, and sense of agency. We intuitively believe that we are aware of the external world as it is. Unfortunately, this is not entirely true. In fact, the capacity of our sensory system is too small to veridically perceive the world. To overcome this problem, the sensory system has to spatiotemporally integrate neural signals in order to interpret the external world. However, the spatiotemporal integration involves severe neural latencies. How does the sensory system keep up with the ever- changing external world? As later discussed, 'prediction' and 'postdiction' are essential keywords here. For example, the sensory system uses temporally preceding events to predict subsequent events (e.g., Nijhawan, 1994; Kerzel, 2003; Hubbard, 2005) even when the preceding event is subliminally presented (Schmidt, 2000). Moreover, internal prediction is also an indispensable factor for movement planning and control (Kawato, 1999). On the other hand, the sensory system also makes use of subsequent events to postdictively interpret a preceding event (e.g. Eaglema & Sejnowski, 2000; Enns, 2002; Khuu et al., 2010; Kawabe, 2011, 2012; Miyazaki et al., 2010; Ono & Kitazawa, 2011) and it's much the same even for infancy (Newman et al., 2008). Moreover, it has also been proposed that sense of agency stems not only from predictive processing but also from postdictive inference (Ebert & Wegner, 2011). The existence of postdictive inference (Ebert & Wegner, 2011). The existence of postdictive inserences of the external world is an intriguing question. Prediction is involved with the encoding of incoming signals, whereas postdiction is neolved with the encoding of incoming signals, whereas postdiction is related to a re-interpretation of already encoded signals. Given this perspective, prediction and postdiction. It is plausible that awareness of the external world. Awareness of the external world in prediction and postdiction. This backgr
	interact with each other in shaping awareness of the external world? 4) How does awareness of the external world shape prediction/postdiction?

Record Nr.	UNICAMPANIAVAN0051761
Autore	Hardy, Godfrey H.
Titolo	Inequalities / by G. H. Hardy, J. E. Littlewood, G. Polya
Pubbl/distr/stampa	Cambridge, : Cambridge university, 1988
ISBN	05-213-5880-9
Descrizione fisica	XII, 324 p. ; 23 cm
Altri autori (Persone)	Littlewood, J. E. Polya, George <1887-1985>
Soggetti	26Dxx - Inequalities in real analysis [MSC 2020]
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia