

1. Record Nr.	UNINA9910822368003321
Titolo	The two halves of the brain : information processing in the cerebral hemispheres // edited by Kenneth Hugdahl and Rene Westerhausen
Pubbl/distr/stampa	Cambridge, Mass., : MIT Press, c2010
ISBN	0-262-26564-8 1-282-73697-3 9786612736971 0-262-26594-X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (717 p.)
Altri autori (Persone)	HugdahlKenneth WesterhausenRene <1976->
Disciplina	612.8/25
Soggetti	Cerebral dominance Laterality
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 index.
Nota di contenuto	Contents; Preface; Introduction and Overview; I Genetic and Evolutionary Perspectives on Hemispheric Asymmetry; 1 Differential Gene Transcription in the Left and Right Cerebral Cortex; 2 Evolutionary Depth of Human Brain Language Areas; 3 Handedness and Cerebral Asymmetry; II Hemispheric Asymmetry in Nonmammalian Species; 4 Hemispheric Asymmetry of Songbirds; 5 The Embryonic Development of Visual Asymmetry in the Pigeon; III Neuroimaging and Hemispheric Asymmetry; 6 Structural Indices of Asymmetry; 7 Asymmetry of White Matter Pathways 8 Electroencephalographic and Magnetoencephalographic Indices of Hemispheric AsymmetryIV Hormones, Sex Differences, and Sleep Asymmetry; 9 Sex Hormonal Effects on Hemispheric Asymmetry and Interhemispheric Interaction; 10 Sex Differences in Handedness, Brain Asymmetry, and Language Lateralization; 11 Laterality and Sleep; V Asymmetry of Perception; 12 Auditory Laterality; 13 Processing Asymmetries in the Visual System; 14 Integrating Auditory and Visual Asymmetry; VI Asymmetry of Cognition; 15 A Unified Structural-Attentional Framework for Dichotic Listening

16 Cognitive Control of Auditory Laterality
17 Hemispheric Asymmetry of Memory; VII Asymmetry in Neurological and Pediatric Disorders;
18 Visuospatial Function and the Neglect Syndrome;
19 Hemispheric Asymmetry in Pediatric Developmental Disorders; VIII Asymmetry in Schizophrenia and Psychosis;
20 Lateral Differences in the Default Mode Network in Schizophrenia;
21 The Origins of Psychosis and the Evolution of Language; Contributors; Index; Plates

Sommario/riassunto

This volume provides a comprehensive view of the latest research in brain asymmetry, offering not only recent empirical and clinical findings but also a coherent theoretical approach to the subject.
