Record Nr. Titolo	UNINA9910437606703321 Deafness / / Andrej Kral, Arthur N. Popper, Richard R. Fay, editors
Pubbl/distr/stampa	New York, : Springer, 2013
ISBN	1-4614-7840-5
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (xiv, 299 pages) : illustrations (some color)
Collana	Springer handbook of auditory research, , 0947-2657
Altri autori (Persone)	KralAndrej PopperArthur N FayRichard R
Disciplina	617.8
Soggetti	Deafness
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"ISSN: 0947-2657."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. To Hear or Not To Hear: Neuroscience of Deafness Andrej Kral 2. Molecular Etiology of Deafness and Cochlear Consequences Zippora Brownstein, Shaked Shivatzki, and Karen B. Avraham 3. Effects of Early-Onset Deafness in the Developing Auditory System Patricia A. Leake, Olga Stakhovskaya, and Stephen J. Rebscher 4. Synaptic Organization and Plasticity in the Auditory System of the Deaf White Cat Michael A. Muniak, Catherine J. Connelly, Natasha N. Tirko, Jahn N. O' Neil, and David K. Ryugo 5. Synaptic and Cellular Consequences of Hearing Loss Dan H. Sanes 6. Integrative Neuronal Functions in Deafness Andrej Kral, Peter Baumhoff, and Robert K. Shepherd 7. The Impact of Deafness on the Human Central Auditory and Visual Systems Anu Sharma and Teresa Mitchell 8. Multisensory Interactions in Auditory cortex and Auditory Rehabilitation in Deafness Diane S Lazard, Anne-Lise Giraud, and Pascal Barone 9. Visual Attention in Deaf Humans: A Neuroplasticity Perspective Matthew W. G. Dye and Daphne Bavelier 10. The Consequences of Deafness for Spoken Language Development Peter J. Blamey and Julia Z. Sarant.
Sommario/riassunto	Deafness explores the neuronal consequences of being deaf on the peripheral and the central nervous system as well as on cognition and learning, viewed from the standpoint of genetics, neuroanatomy and neurophysiology, molecular biology, systems neuroscience, and cognitive neuroscience. To Hear or Not To Hear: Neuroscience of

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The Consequences of Deafness for Spoken Language Development Peter J. Blamey and Julia Z. Sarant About the Editors: Andrej Kral is Professor and Director of the Department of Experimental Otology at Hannover Medical School, Germany. Arthur N. Popper is Professor in the Department of Biology and Co-Director of the Center for Comparative and Evolutionary Biology of Hearing at the University of Maryland, College Park. Richard R. Fay is Distinguished Research Professor of Psychology at Loyola University Chicago. About the Series: The Springer Handbook of Auditory Research presents a series of synthetic reviews of fundamental topics dealing with auditory systems. Each volume is independent and authoritative; taken as a set, this series is the definitive resource in the field.