Record Nr. UNINA9910812380303321 Neurobiology of language / / edited by Gregory Hickok, Department of **Titolo** Cognitive Sciences, University of California, Irvine, CA, USA, Steven L. Small, Department of Neurology, University of California, Irvine, CA, **USA** Pubbl/distr/stampa London, UK;; San Diego, CA;; Waltham, MA;; Oxford, UK:,: Elsevier, , [2016] ©2016 **ISBN** 0-12-407862-1 Descrizione fisica 1 online resource (1188 p.) Disciplina 612.82336 Soggetti Language acquisition - Physiological aspects Second language acquisition Neurobiology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Front Cover; Neurobiology of Language; Copyright Page; Dedication; Contents; List of Contributors; Acknowledgement; A. Introduction; 1 The Neurobiology of Language; 1.1 History; 1.2 Lesion Analysis; 1.3 From Neuropsychology to Cognitive Neuroscience; 1.4 The Neurobiology of Language; 1.5 Some Common Fallacies; 1.6 Humans in Particular: 1.7 Cognition and the Neurobiology of Language: 1.8 Brain Disease, Treatment, and the Neurobiology of Language: 1.9 Summary: References; B. Neurobiological Foundations; 2 A Molecular Genetic Perspective on Speech and Language: 2.1 Introduction 2.2 The Discovery of FOXP22.3 FOXP2 Mutations in Speech and Language Disorders; 2.4 Functions of FOXP2: The View from the Bench; 2.5 Insights from Animal Models; 2.6 FOXP2 in Human Evolution; 2.7 Conclusions: References: 3 The Ventrolateral Frontal Region: 3.1 Cytoarchitectonic Areas of the Ventrolateral Prefrontal Cortex; 3.2 Parietal and Temporal Cortico-Cortical Connection Patterns of the Language Production Areas in the Ventrolateral Fronta...; 3.3 Functional

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Sommario/riassunto

Neurobiology of Language explores the study of language, a field that has seen tremendous progress in the last two decades. Key to this progress is the accelerating trend toward integration of neurobiological approaches with the more established understanding of language within cognitive psychology, computer science, and linguistics. This volume serves as the definitive reference on the neurobiology of language, bringing these various advances together into a single volume of 100 concise entries. The organization includes sections on the field's major subfields, with each section covering