Record Nr. UNINA9910778558803321 Biological foundations and origin of syntax / / edited by Derek **Titolo** Bickerton and Eors Szathmary Pubbl/distr/stampa Cambridge, Mass., : MIT Press, ©2009 **ISBN** 0-262-29379-X 1-282-69428-6 9786612694288 0-262-25858-7 Descrizione fisica 1 online resource (491 p.) Collana Strungmann Forum reports Altri autori (Persone) **BickertonDerek** SzathmaryEors Disciplina 612.8/2336 Soggetti Grammar, Comparative and general - Syntax **Biolinguistics** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Forum held July 13-18, 2008, in Frankfurt, Germany. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Contents; The Ernst Strungmann Forum; List of Contributors; Preface; Background; 1 Syntax for Non-syntacticians; 2 The Biological Background of Syntax Evolution; 3 Functional Neuroimaging and the Logic of Brain Operations; Syntactics; 4 Some Elements of Syntactic Computations; 5 The Adaptive Approach to Grammar; 6 Fundamental Syntactic Phenomena and Their Putative Relation to the Brain; 7 What Kinds of Syntactic Phenomena Must Biologists, Neurobiologists, and Computer Scientists Try to Explain and Replicate?; Evolution; 8 Possible Precursors of Syntactic Components in Other Species 9 What Can Developmental Language Impairment Tell Us about the Genetic Bases of Syntax?10 What Are the Possible Biological and Genetic Foundations for Syntactic Phenomena?; Brain; 11 Brain Circuits of Syntax; 12 Neural Organization for Syntactic Processing as Determined by Effects of Lesions; 13 Reflections on the Neurobiology

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Interdisciplinary perspectives on the evolutionary & biological roots of syntax, describing current research on syntax in fields ranging from linguistics to neurology.