

1. Record Nr.	UNINA9910971826503321
Titolo	Biological foundations and origin of syntax // edited by Derek Bickerton and Eors Szathmary
Pubbl/distr/stampa	Cambridge, MA, : MIT Press, 2009
ISBN	9786612694288 9780262293792 026229379X 9781282694286 1282694286 9780262258586 0262258587
Edizione	[1st ed.]
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 of Syntax; 14 What Are the Brain Mechanisms Underlying Syntactic

Operations?; Modeling; 15 Syntax as an Adaptation to the Learner; 16 Cognition and Social Dynamics Play a Major Role in the Formation of Grammar

17 What Can Formal or Computational Models Tell Us about How (Much) Language Shaped the Brain? 18 What Can Mathematical, Computational, and Robotic Models Tell Us about the Origins of Syntax?; Glossary; Bibliography; Subject Index

---

Sommario/riassunto

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

---