

A Search for the Origins of Human Speech

Auditory and Vocal
Functions of the
Chimpanzee

Shozo Kojima



Search For The Origins Of Human Speech

Tetsuro Matsuzawa



Search For The Origins Of Human Speech:

Finding Our Tongues Dean Falk, 2010-10 Scientists have long theorized that abstract symbolic thinking evolved to help humans negotiate such classically male activities as hunting tool making and warfare and eventually developed into spoken language In *Finding Our Tongues* Dean Falk overturns this established idea offering a daring new theory that springs from a simple observation parents all over the world in all cultures talk to infants by using baby talk or Motherese Falk shows how Motherese developed as a way of reassuring babies when mothers had to put them down in order to do work The melodic vocalizations of early Motherese not only provided the basis of language but also contributed to the growth of music and art Combining cutting edge neuroscience with classic anthropology Falk offers a potent challenge to conventional wisdom about the emergence of human language

The Origins of Language Revisited Nobuo Masataka, 2020-06-11 This book summarizes the latest research on the origins of language with a focus on the process of evolution and differentiation of language It provides an update on the earlier successful book *The Origins of Language* edited by Nobuo Masataka and published in 2008 with new content on emerging topics Drawing on the empirical evidence in each respective chapter the editor presents a coherent account of how language evolved how music differentiated from language and how humans finally became neurodivergent as a species Chapters on nonhuman primate communication reveal that the evolution of language required the neural rewiring of circuits that controlled vocalization Language contributed not only to the differentiation of our conceptual ability but also to the differentiation of psychic functions of concepts emotion and behavior It is noteworthy that a rudimentary form of syntax regularity of call sequences has emerged in nonhuman primates The following chapters explain how music differentiated from language whereas the pre linguistic system or the prosodic protolanguage in nonhuman primates provided a precursor for both language and music Readers will gain a new understanding of music as a rudimentary form of language that has been discarded in the course of evolution and its role in restoring the primordial synthesis in the human psyche The discussion leads to an inspiring insight into autism and neurodiversity in humans This thought provoking and carefully presented book will appeal to a wide range of readers in linguistics psychology phonology biology anthropology and music

Integrating Face and Voice in Person Perception Pascal Belin, Salvatore Campanella, Thomas Ethofer, 2012-08-21 This book follows a successful symposium organized in June 2009 at the Human Brain Mapping conference The topic is at the crossroads of two domains of increasing importance and appeal in the neuroimaging neuroscience community multi modal integration and social neuroscience Most of our social interactions involve combining information from both the face and voice of other persons speech information but also crucial nonverbal information on the person s identity and affective state The cerebral bases of the multimodal integration of speech have been intensively investigated by contrast only few studies have focused on nonverbal aspects of face voice integration This work highlights recent advances in investigations of the behavioral and cerebral bases of face voice multimodal integration in the

context of person perception focusing on the integration of affective and identity information Several research domains are brought together Behavioral and neuroimaging work in normal adult humans included are presented alongside evidence from other domains to provide complementary perspectives studies in human children for a developmental perspective studies in non human primates for an evolutionary perspective and studies in human clinical populations for a clinical perspective Several research domains are brought together Behavioral and neuroimaging work in normal adult humans included are presented alongside evidence from other domains to provide complementary perspectives studies in human children for a developmentalperspective studies in non human primates for an evolutionary perspective and studies in human clinical populations for a clinical perspective Several research domains are brought together Behavioral and neuroimaging work in normal adult humans included are presented alongside evidence from other domains to provide complementary perspectives studies in human children for a developmental perspective studies in non human primates for an evolutionary perspective and studies in human clinical populations for a clinical perspective Several research domains are brought together Behavioral and neuroimaging work in normal adult humans included are presented alongside evidence from other domains to provide complementary perspectives studies in human children for a developmental perspective studies in non human primates for an evolutionary perspective and studies in human clinical populations for a clinical perspective

The Evolution of Hemispheric Specialization in Primates William D. Hopkins, 2007-09-18 Hemispheric specialization and lateralized sensory cognitive or motor function of the left and right halves of the brain commonly manifests in humans as right handedness and left hemisphere specialization of language functions Historically this has been considered a hallmark of and unique to human evolution Some theories propose that human right handedness evolved in the context of language and speech while others that it was a product of the increasing motor demands associated with feeding or tool use In the past 20 25 years there has been a plethora of research in animals on the topic of whether population level asymmetries in behavioral processes or neuro anatomical structures exist in animals notably primates and people have begun to question the historical assumptions that hemispheric specialization is unique to humans This book brings together various summary chapters on the expression of behavioral and neuro anatomical asymmetries in primates Several chapters summarize entire families of primates while others focus on genetic and non genetic models of handedness in humans and how they can be tested in non human primates In addition it makes explicit links between various theoretical models of the development of handedness in humans with the observed patterns of results in non human primates A second emphasis is on comparative studies of handedness in primates There is now enough data in the literature across different species to present an evolutionary tree for the emergence of handedness and perhaps other aspects of hemispheric specialization such as neuro anatomical asymmetries and its relation to specific morphological and ecological adaptations in various primate species The first treatment of this important topic since 1998 Examines the tenet that lateralization and handedness is a uniquely human

character through evidence from higher and lower primates and with reference to other vertebrates Advances our understanding of the occurrence evolution and significance of lateralization and handedness effects On the Origin of Language Jean-Jacques Rousseau,Johann Gottfried Herder,2024-05-31 This volume combines Rousseau's essay on the origin of diverse languages with Herder's essay on the genesis of the faculty of speech Rousseau's essay is important to semiotics and critical theory as it plays a central role in Jacques Derrida's book *Of Grammatology* and both essays are valuable historical and philosophical documents *Behavioral Neuroscience* George Spilich,2023-05-16 Behavioral Neuroscience by George Spilich presents the neurophysiological aspects of behavior to the 21st century digital native learner in the context of human experience rather than in that of laboratory experiments with non human animals Whether a student has enrolled in the course to prepare them for a career in medicine or science or they are fulfilling a general education science requirement Behavioral Neuroscience is written to meet them where they are The text has an accessible writing style real life examples and data sets active learning exercises and multimodal media and quizzes all designed to make the subject more engaging and relevant This ground breaking first edition is ideal for the Introductory Behavioral Neuroscience or the Biological Psychology course **Social Information Transmission and Human Biology** Jonathan CK Wells,Simon Strickland,Kevin Laland,2006-05-22 Recent research has emphasized that socially transmitted information may affect both the gene pool and the phenotypes of individuals and populations and that an improved understanding of evolutionary issues is beneficial to those working towards the improvement of human health In response to a growing interest across disciplines for information regarding the contribution of social behavior to a range of biological outcomes Social Information Transmission and Human Biology connects the work of evolutionary theorists and those dealing with practical issues in human health and demographics Combining evolutionary models with biomedical research authors from various disciplines look at how human behavior influences health and how reproductive fitness sheds light on the processes that shaped the evolution of human behavior Both academic and medical researchers will find much useful insight in this text *Origins of Human Socialization* Donald W. Pfaff,2020-11-06 Origins of Human Socialization introduces a new concept on the origins of basic human instinct The book combines the three disciplinary approaches including neuroscience paleoanthropology and developmental psychology as an intertwined foundation for prosocial behavior It argues that humans have the basic brain mechanisms for prosocial activity offering new insights into more sophisticated social behavior It also examines both visual and auditory systems in both humans and animals to explain the evolution of social interactions Written by world renowned researcher Dr Donald Pfaff this book is the first to explore why we have basic social instinct and how it works For centuries researchers have argued over the foundations of human behavior in society Anthropologists point to transitions from hunter gathers to urban dwellers leading to human domestication Developmental psychologists highlight social competences in babies Neuroscientists focus on specific genetic and neurochemical mechanisms that attribute to social behavior This book brings

all of these important areas together in an interdisciplinary approach that helps readers understand how they are linked Introduces recent discoveries regarding genes and their association with brain growth Outlines the fundamentals of brain circuitry that underlies social behavior Explains the connection between loneliness and reduced anti inflammatory responses Reviews how gene expression encourages various forms of social behavior Modern Humans John F. Hoffecker, 2017-10-31 Modern Humans is a vivid account of the most recent and perhaps the most important phase of human evolution the appearance of anatomically modern people Homo sapiens in Africa less than half a million years ago and their later spread throughout the world Leaving no stone unturned John F Hoffecker demonstrates that Homo sapiens represents a major transition in the evolution of living systems in terms of fundamental changes in the role of non genetic information Modern Humans synthesizes recent findings from genetics including the rapidly growing body of ancient DNA the human fossil record and archaeology relating to the African origin and global dispersal of anatomically modern people Hoffecker places humans in the broad context of the evolution of life emphasizing the critical role of genetic and non genetic forms of information in living systems as well as how changes in the storage transmission and translation of information underlie major transitions in evolution He also draws on information and complexity theory to explain the emergence of Homo sapiens in Africa several hundred thousand years ago and the rapid and unprecedented spread of our species into a variety of environments in Australia and Eurasia including the Arctic and Beringia beginning between 75 000 and 60 000 years ago This magisterial work will appeal to all with an interest in the ever fascinating field of human evolution **Primate Origins of Human Cognition and Behavior** Tetsuro Matsuzawa, 2009-03-12 Biologists and anthropologists in Japan have played a crucial role in the development of primatology as a scientific discipline Publication of Primate Origins of Human Cognition and Behavior under the editorship of Tetsuro Matsuzawa reaffirms the pervasive and creative role played by the intellectual descendants of Kinji Imanishi and Junichiro Itani in the fields of behavioral ecology psychology and cognitive science Matsuzawa and his colleagues humans and other primate partners explore a broad range of issues including the phylogeny of perception and cognition the origin of human speech learning and memory recognition of self others and species society and social interaction and culture With data from field and laboratory studies of more than 90 primate species and of more than 50 years of long term research the intellectual breadth represented in this volume makes it a major contribution to comparative cognitive science and to current views on the origin of the mind and behavior of humans *The Anticolonial Linguistics of Nikolai Marr* Matthew Carson Allen, Robert Young, 2024-11-08 The archaeologist philologist and Linguistics theoretician Nikolai Marr 1865 1934 has attracted increasing scholarly attention as a pivotal figure of late tsarist and early Soviet cultural politics and as an early anticolonial theorist He remains however an elusive thinker who is much written about but seldom read This volume offers a representative selection of Marr s writing from several stages of his life translated here for the first time into English The selection of texts allows the reader to trace the key evolving and

interconnected preoccupations that animate Marr's vast oeuvre his anti nationalist valorization of the cultural and linguistic hybridity of the Caucasus his denunciation of the imperialist complicity of Western European comparative linguistics his anti Darwinian emphasis on mixture and convergence in place of filial descent within the history of languages and his unorthodox theories of linguistic origins in gesture rather than speech Key Marxist terms such as Japhetidology or the rejection of the prevalent theory of an Indo European language family are clarified The volume contains original essays that contextualize Marr's work within the history of linguistics showing the indebtedness and applicability of his ideas to traditions that are frequently held to be unrelated to one another Russian proto structuralism French deconstruction and Indian subaltern thought This book was originally published as a special issue of Interventions International Journal of Postcolonial Studies

Evolution Michael Ruse, Joseph Travis, 2009-02-28 Spanning evolutionary science from its inception to its latest findings from discoveries and data to philosophy and history this book is the most complete authoritative and inviting one volume introduction to evolutionary biology available Clear informative and comprehensive in scope Evolution opens with a series of major essays dealing with the history and philosophy of evolutionary biology with major empirical and theoretical questions in the science from speciation to adaptation from paleontology to evolutionary development evo devo and concluding with essays on the social and political significance of evolutionary biology today A second encyclopedic section travels the spectrum of topics in evolution with concise informative and accessible entries on individuals from Aristotle and Linnaeus to Louis Leakey and Jean Lamarck from T H Huxley and E O Wilson to Joseph Felsenstein and Motoo Kimura and on subjects from altruism and amphibians to evolutionary psychology and Piltown Man to the Scopes trial and social Darwinism Readers will find the latest word on the history and philosophy of evolution the nuances of the science itself and the intricate interplay among evolutionary study religion philosophy and society Appearing at the beginning of the Darwin Year of 2009 the 200th anniversary of the birth of Charles Darwin and the 150th anniversary of the publication of the Origin of Species this volume is a fitting tribute to the science Darwin set in motion

Characterizing Consciousness: From Cognition to the Clinic?

Stanislas Dehaene, Yves Christen, 2011-05-27 Fifteen of the foremost scientists in this field presented testable theoretical models of consciousness and discussed how our understanding of the role that consciousness plays in our cognitive processes is being refined with some surprising results

Evolutionary Linguistics April McMahon, Robert McMahon, 2012-10-11 How did the biological brain and behavioural structures underlying human language evolve This is an introduction to the interdisciplinary debates

On the Origin of Language: Jean-Jacques Rousseau, Essay on the Origin of Languages

John H. Moran, Alexander Gode, 1966

The Origin and Diversification of Language Morris Swadesh, 2017-09-04 Morris Swadesh one of this century's foremost scientific investigators of language dedicated much of his life to the study of the origin and evolution of language This volume left nearly completed at his death and edited posthumously by Joel F Sherzer is his last major study of this difficult subject Swadesh discusses the simple qualities of human speech also present in animal

language and establishes distinctively human techniques of expression by comparing the common features that are found in modern and ancient languages. He treats the diversification of language not only by isolating root words in different languages but also by dealing with sound systems with forms of composition and with sentence structure. In so doing he demonstrates the evidence for the expansion of all language from a single central area. Swadesh supports his hypothesis by exhibits that conveniently present the evidence in tabular form. Further clarity is provided by the use of a suggestive practical phonetic system intelligible to the student as well as to the professional. The book also contains an Appendix in which the distinguished ethnographer of language Dell Hymes gives a valuable account of the prewar linguistic tradition within which Swadesh did some of his most important work. A Prehistory of the North John F. Hoffecker, 2005. Annotation: Early humans did not drift north from Africa as their ability to cope with cooler climates evolved. Settlement of Europe and northern Asia occurred in relatively rapid bursts of expansion. This study tells the complex story spanning almost two million years of how humans inhabited some of the coldest places on earth. **The Language Phenomenon** P.-M. Binder, K. Smith, 2013-04-05. This volume contains a contemporary integrated description of the processes of language. These range from fast scales fractions of a second to slow ones over a million years. The contributors all experts in their fields address language in the brain, production of sentences and dialogues, language learning, transmission and evolutionary processes that happen over centuries or millennia, the relation between language and genes, the origins of language, self-organization and language competition and death. The book as a whole will help to show how processes at different scales affect each other, thus presenting language as a dynamic complex and profoundly human phenomenon. A Search for the Origins of Human Speech Shozo Kojima, 2003. An unrivaled world authority in the area, Shozo Kojima presents a detailed overview of chimpanzees' auditory sense and vocalization and demonstrates how human speech has evolved. Based on unique longitudinal studies over a few decades, Kojima has put together his theories and findings into a single volume making them available to an international readership for the first time. This book is a joint publication with Kyoto University Press. **The Oxford Handbook of the History of Linguistics** Keith Allan, 2013-03-28. Leading scholars examine the history of linguistics from ancient origins to the present. They consider every aspect of the field from language origins to neurolinguistics, explore the linguistic traditions in different parts of the world, examine how work in linguistics has influenced other fields, and look at how it has been practically applied.

Decoding **Search For The Origins Of Human Speech**: Revealing the Captivating Potential of Verbal Expression

In an era characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its power to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Search For The Origins Of Human Speech**," a mesmerizing literary creation penned by a celebrated wordsmith, readers embark on an enlightening odyssey, unraveling the intricate significance of language and its enduring impact on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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