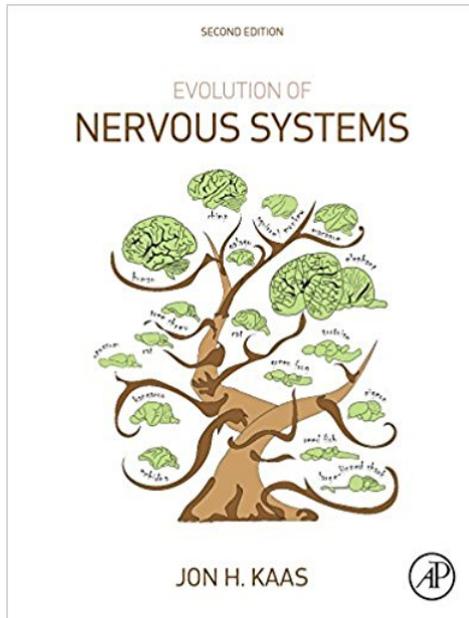


言語進化学関係書ご案内

カタログ番号 1

無脊椎動物発生の遺伝的制御から人間の認識に至る幅の広いトピックスを提供し、動物界全体にわたる神経系の進化に関する参考資料の決定版です。最新の実験的成果を背景に、100人を超える専門家との協力のもとに新知見を提供します。論争中のテーマについて相違点、合意点を明らかにし、問題の全体像を展望します。



神経系の進化・第2版 Evolution of Nervous Systems, 2nd Edition

Editor-in-Chiefs: **Jon Kaas**
*Distinguished Centennial Professor of Psychology at
Vanderbilt University.*

2016年12月出版 2007ページ ハードカバー ¥378,590

Published by **Academic Press**

ISBN: 9780128040423

Evolution of Nervous Systems, Second Edition is a unique, major reference which offers the gold standard for those interested both in evolution and nervous systems. All biology only makes sense when seen in the light of evolution, and this is especially true for the nervous system. All animals have nervous systems that mediate their behaviors, many of them species specific, yet these nervous systems all evolved from the simple nervous system of a common ancestor. To understand these nervous systems, we need to know how they vary and how this variation emerged in evolution.

In the first edition of this important reference work, over 100 distinguished neuroscientists assembled the current state-of-the-art knowledge on how nervous systems have evolved throughout the animal kingdom. This second edition remains rich in detail and broad in scope, outlining the changes in brain and nervous system organization that occurred from the first invertebrates and vertebrates, to present day fishes, reptiles, birds, mammals, and especially primates, including humans.

The book also includes wholly new content, fully updating the chapters in the previous edition and offering brand new content on current developments in the field. Each of the volumes has been carefully restructured to offer expanded coverage of non-mammalian taxa, mammals, primates, and the human nervous system.

The basic principles of brain evolution are discussed, as are mechanisms of change. The reader can select from chapters on highly specific topics or those that provide an overview of current thinking and approaches, making this an indispensable work for students and researchers alike.

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- Early Nervous Systems: Their Evolution in Invertebrates, Fish, Reptiles and Birds**
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- The Nervous Systems of Non-Human Primates**
- The Evolution of the Human Brain: Apes and other Ancestors**

各章のタイトル

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Human Brain Evolution: A History of Ideas and Methods
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The fossil evidence of human brain evolution
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Molecular Evolution and Phenotypic Change
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The evolution of visual-motor areas of the frontal cortex of humans--comparisons of monkeys and humans.
Evolution of Language

About the Editor-in-Chief

Jon H. Kaas is currently Distinguished Centennial Professor of Psychology at Vanderbilt University. He received his PhD training in comparative studies of forebrain organization in mammals in the laboratory of I. T. Diamond at Duke University, and postdoctoral training studying cortical organization in the comparative neurophysiology laboratory of C. N. Woolsey at the University of Wisconsin. His research has focused on determining the organizations of sensory and motor systems in mammals, especially in primates, with an effort to understand the evolution of the forebrain from early mammals to present-day humans. He has published over 250 research papers and 150 reviews. He is an elected member of the National Academy of Sciences, and of the American Academy of Arts and Sciences. He is also a member of the La Jolla Group for Explaining the Origin of Humans.

関連書ご案内

2. Advances in Biolinguistics The Human Language Faculty and Its Biological Basis

Edited by Koji Fujita, & Cedric A. Boeckx
March 2016, 276 pages, Hardback (Routledge)
ISBN 9781138891722 ¥27,320

Biolinguistics is a highly interdisciplinary field that seeks the rapprochement between linguistics and biology. Linking theoretical linguistics, theoretical biology, genetics, neuroscience and cognitive psychology, this book offers a collection of chapters situating the enterprise conceptually, highlighting both the promises and challenges of the field, and chapters focusing on the challenges and prospects of taking interdisciplinarity seriously. It provides concrete illustrations of some of the cutting-edge research in biolinguistics and piques

the interest of undergraduate students looking for a field to major in and inspires graduate students on possible research directions. It is also meant to show to specialists in adjacent fields how a particular strand of theoretical linguistics relates to their concerns, and in so doing, the book intends to foster collaboration across disciplines.

Advances in the Study of Behavior, Volume 47

Edited by Marc Naguib, H. Jane Brockmann, John C. Mitani, Leigh W. Simmons, Louise Barrett, Susan D. Healy & Peter Slater
May 2015, 354 pages, Hardcover (Academic Pr.)
ISBN 9780128022764 ¥28,250

This is a special 50th year anniversary volume of Advances in the Study of Behavior with contributions from past and present editors and authors of the serial. Initiated 50 years ago, Advances in the Study of Behavior strives to serve the increasing number of scientists engaged in the study of animal behavior. That number is still expanding. This volume makes

another important "contribution to the development of the field" by presenting theoretical ideas and research to those studying animal behavior and to their colleagues in neighboring fields.

3. **Advances in the Study of Behavior, Volume 48**

Edited by Marc Naguib, John C. Mitani, Leigh W. Simmons, Louise Barrett, Susan D. Healy, & Marlene Zuk

May 2016, 532 pages, Hardcover (Academic Pr.)

ISBN 9780128047873 **¥28,250**

CONTENTS: Chapters: 1. Bridging the Gap Between Cross-Taxon and Within-Species Analyses of Behavioral Innovations in Birds: Making Sense of Discrepant Cognition–Innovation Relationships and the Role of Motor Diversity (A.S. Griffin, D. Guez). 2. Glucocorticoid-Mediated Phenotypes in Vertebrates: Multilevel Variation and Evolution (M. Hau, S. Casagrande, J.Q. Ouyang, A.T. Bauch). 3. Multimodal Communication in Wolf Spiders (Lycosidae)—An Emerging Model for Study (G.W. Uetz, D.L. Clark, J.A. Roberts) 4. Assessment and Recognition of Rivals in Anuran Contests. (M.A. Bee, M.S. Reichert, J. Tumulty). 5. The Mechanistic, Genetic, and Evolutionary Basis of Worker Sterility in the Social Hymenoptera (I. Ronai, V. Vergoz, B.P. Oldroyd). 6. Variable Signals in a Complex World: Shifting Views of Within-Individual Variability in Sexual Display Traits (G.L. Patricelli, A.H. Krakauer, C.C. Taff). 7. The Prosocial Primate—A Critical Review (K. Jensen). 8. Integrating Perspectives on Rodent Sperm Competition (S.A. Ramm, P. Stockley). Index.

4. **Advances in the Study of Behavior, Volume 49**

Edited by Marc Naguib, Jeffrey Podos, Leigh W. Simmons, Louise Barrett, Susan D. Healy & Marlene Zuk

April 2017, 420 pages, Hardcover (Academic Pr.)

ISBN 9780128121214 **¥28,250**

Advances in the Study of Behavior, Volume 49 provides users with the latest insights in this ever-evolving field. Users will find new information on a variety of species, including social behaviors in reptiles, the behavioral evidence of felt emotions, a section on developmental plasticity, a chapter on covetable corpses and plastic beetles and the socioecological behavior of burying beetles, and a section on the mechanisms of communication and cognition in chickadees. This volume makes another important contribution to the development of the field by presenting theoretical ideas and research findings to professionals studying animal behavior and related fields. Researchers in a variety of behavioral fields will find this longstanding series, initiated over 40 years ago, to be a go-to resource for the study of animal behavior.

5. **Big Brains and the Human Superorganism**

Why Special Brains Appear in Hominids and Other Social Animals

Edited by Niccolo Leo, Caldararo

Lexington Books - Sept 2017, 282 pages, Hardcover ISBN 9781498540872 **¥18,460**

This book examines why humans have big brains, what big brains enable us to do, and how specialized brains are associated with eusociality in animals. It explores why brains expanded so slowly, and then why they stopped growing. This book whittles down the theories on brain size evolution to a

few that represent testable hypotheses to identify logical and practical explanations for the phenomenon. At the core of this book is data derived from original, previously unpublished research on brain size in a number of social mammals. This data supports the idea that evolution of the brain in humans is the result of social interaction. This book also traces the products of the social brain: ideology, religion, urban life, housing, and learning and adapting to dense complex social interactions. It uniquely compares brain evolution in social animals across the animal kingdom, and examines the nature of the human brain and its evolution within the social and historical context of complex human social structures.

6. **Biocommunication**

Sign-Mediated Interactions between Cells and Organisms

(Astrobiology: Exploring Life on Earth and Beyond)

Edited by Richard Gordon & Joseph Seckbach

Oct 2016, 750 pages, Hardcover (World Scientific)

ISBN 9781786340443 **¥45,800**

All coordination between cells, organs, and organisms depends on successful biocommunicative processes. There are abundant cases of communication in the biological world, both within (intraspecific) and between (interspecific) single-cell and multicellular microorganisms and higher animal forms. Split into two parts, this book first looks at the history, development and progress within the field of biocommunication. The second part presents real-life case studies and investigation into examples of biocommunication in the biological world. Among the organisms covered are bacteria, fungi, plants, terrestrial and marine animals, including bonobos, chimpanzees and dolphins, as well as a new theory of communication between parts in developing embryos (cybernetic embryos). Contributions from international experts in the field provide up-to-date research and results, while in depth analysis expands on these findings to pave the way for future discoveries. As the first comprehensive review of its kind, it is perfect for undergraduates, graduates, professionals and researchers in the field of life sciences.

7. **Biocommunication of Animals**

Softcover reprint of the original 2014 Edition

Edited by Guenther Witzany

Nov 2016, 420 pages, Paperback (Springer)

ISBN 9789402406672 **¥30,430**

Every coordination within or between animals depends on communication processes. Although the signaling molecules, vocal and tactile signs, gestures and its combinations differ throughout all species according to their evolutionary origins and variety of adaptation processes, certain levels of biocommunication can be found in all animal species:

(a) Abiotic environmental indices such as temperature, light, water, etc. that affect the local ecosphere of an organism and are sensed, interpreted.

(b) Trans-specific communication with non-related organisms.

(c) Species-specific communication between same or related species.

(d) Intraorganismic communication, i.e., sign-mediated coordination within the body of the organism.

This book gives an overview of the manifold levels of animal communication exemplified by a variety of species and thereby broadens the understanding of these organisms.

8. **Cephalopod Behaviour 2nd Edition**

by Roger T. Hanlon & John B. Messenger

March 2018, 400 pages, Hardcover (Cambridge U.P.)

ISBN 9780521897853 **¥29,540**

With their large brains, elaborate sense organs and complex behaviour, cephalopods are among the world's most highly evolved invertebrates. This second edition summarises the wealth of exciting new research data stemming from over five hundred papers published since the first volume appeared. It adopts a comparative approach to causation, function, development and evolution as it explores cephalopod behaviour in natural habitats and the laboratory. Extensive colour and black-and-white photography illustrates various aspects of cephalopod behaviour to complement the scientific analysis. Covering the major octopus, squid and cuttlefish species, as well as the shelled Nautilus, this is an essential resource for undergraduate and advanced students of animal behaviour, as well as researchers new to cephalopods, in fields such as neuroscience and conservation biology. By highlighting the gaps in current knowledge, the text looks to inform and to stimulate further study of these enigmatic and beautiful animals.

9. Chemical Signals in Vertebrates 13

Edited by Bruce A. Schulte, Thomas E. Goodwin & Michael H. Ferkin

Jan 2016, 536 pages, Hardcover (Springer)

ISBN 9783319220253 **¥44,630**

In 2014, the Chemical Signals in Vertebrates (CSIV) group held its 13th triennial meeting in conjunction with the 30th meeting of the International Society of Chemical Ecology (ISCE). The meeting convened on the campus of the University of Illinois at Urbana-Champaign. This meeting was the first held jointly with these two groups, which share common history and are dedicated to understanding the role of chemical communication in the lives of organisms. This volume is a collection of the proceedings of this meeting and, like the meeting, cover a variety of topics in chemical ecology, including Chemical Ecology of Social Behavior; Chemical Signals – Analysis and Synthesis; Evolution, Genomics, and Transcriptomics of Chemical Signals; Molecular Mechanisms of Semiochemical Perception and Processing; Multimodal Communication; and Neuroethology and Neurophysiology.

10. The Diachrony of Grammar

by T. Givón

Nov 2015, 875 pages, Hardcover (John Benjamins)

ISBN 9789027212207 **¥32,560**

The case-studies assembled in these two volumes span a lifetime of research into the diachrony of grammar. That is, into the rise and fall of syntactic constructions and their attendant grammatical morphology. While focused squarely on the data, the studies are nonetheless cast in an explicit theoretical perspective – adaptive, developmental, variationist. Taken as a whole, this work constitutes a frontal assault on Ferdinand de Saussure's corrosive legacy in linguistics. Over the years, reviewers slapped the author's wrist periodically for having dared to commit that most heinous of sins against de Saussure's hallowed legacy – panchronic grammar. In this work he pleads guilty, having never seen a piece of synchronic data that didn't reek, to high heaven, of the diachrony that gave it rise. Reek in two distinct ways: first with the frozen relics of the past that prompt us to reconstruct prior diachronic states; and second with the synchronic variation that hints at ongoing change. Conversely, the author confesses to having never seen a diachronic explanation that did not hinge on the synchronic principles – Carnap's general propositions – that govern language behavior. The synchrony and diachrony of grammar are twin faces of the same coin. To study one without the other is to gut both. By understanding how synchronic grammars come into being we also understand the cognitive, communicative, neurological and developmental universals that constrain diachronic change – and through it synchronic typology.

11. A Different Kind of Animal How Culture Transformed Our Species

(The University Center for Human Values Series)

by Robert Boyd

Nov 2017, 248 pages, Hardcover (Princeton U.P.)

ISBN 9780691177731 **¥5,160**

Human beings are a very different kind of animal. We have evolved to become the most dominant species on Earth. We have a larger geographical range and process more energy than any other creature alive. This astonishing transformation is usually explained in terms of cognitive ability—people are just smarter than all the rest. But in this compelling book, Robert Boyd argues that culture—our ability to learn from each other—has been the essential ingredient of our remarkable success.

A Different Kind of Animal demonstrates that while people are smart, we are not nearly smart enough to have solved the vast array of problems that confronted our species as it spread across the globe. Over the past two million years, culture has evolved to enable human populations to accumulate superb local adaptations that no individual could ever have invented on their own. It has also made possible the evolution of social norms that allow humans to make common cause with large groups of unrelated individuals, a kind of society not seen anywhere else in nature. This unique combination of cultural adaptation and large-scale cooperation has transformed our species and assured our survival—making us the different kind of animal we are today.

Based on the Tanner Lectures delivered at Princeton University, A Different Kind of Animal features challenging responses by biologist H. Allen Orr, philosopher Kim Sterelny, economist Paul Seabright, and evolutionary anthropologist Ruth Mace, as well as an introduction by Stephen Macedo.

12. Essential Readings in Biosemiotics

Anthology and Commentary

Softcover reprint of the original 2009 Edition

(Series: Biosemiotics, Vol 3)

by Donald Favareau

Aug 2016, 880 pages, Paperback (Springer)

ISBN 9789401777322 **¥56,800**

Synthesizing the findings from a wide range of disciplines – from biology and anthropology to philosophy and linguistics – the emerging field of Biosemiotics explores the highly complex phenomenon of sign processing in living systems. Seeking to advance a naturalistic understanding of the evolution and development of sign-dependent life processes, contemporary biosemiotic theory offers important new conceptual tools for the scientific understanding of mind and meaning, for the development of artificial intelligence, and for the ongoing research into the rich diversity of non-verbal human, animal and biological communication processes.

Donald Favareau's Essential Readings in Biosemiotics has been designed as a single-source overview of the major works informing this new interdiscipline, and provides scholarly historical and analytical commentary on each of the texts presented. The first of its kind, this book constitutes a valuable resource to both bioscientists and to semioticians interested in this emerging new discipline, and can function as a primary textbook for students in biosemiotics, as well.

Moreover, because of its inherently interdisciplinary nature and its focus on the 'big questions' of cognition, meaning and evolutionary biology, this volume should be of interest to anyone working in the fields of cognitive science, theoretical biology, philosophy of mind, evolutionary psychology, communication studies or the history and philosophy of science.

13. The Evolution of Social Communication in Primates

A Multidisciplinary Approach

(Series: Interdisciplinary Evolution Research, Vol 1)

Softcover reprint of the original 2014 Edition

Edited by Marco Pina & Nathalie Gontier

Aug 2016, 326 pages, Paperback (Springer)

ISBN 9783319345963 **¥32,470**

How did social communication evolve in primates? In this volume, primatologists, linguists, anthropologists, cognitive scientists and philosophers of science systematically analyze how their specific disciplines demarcate the research questions and methodologies involved in the study of the evolutionary origins of social communication in primates in general and in humans in particular. In the first part of the book, historians and philosophers of science address how the epistemological frameworks associated with primate communication and language evolution studies have changed over time and how these conceptual changes affect our current studies on the subject matter. In the second part, scholars provide cutting-edge insights into the various means through which primates communicate socially in both natural and experimental settings. They examine the behavioral building blocks by which primates communicate and they analyze what the cognitive requirements are for displaying communicative acts. Chapters highlight cross-fostering and language experiments with primates, primate mother-infant communication, the display of emotions and expressions, manual gestures and vocal signals, joint attention, intentionality and theory of mind. The primary focus of the third part is on how these various types of communicative behavior possibly evolved and how they can be understood as evolutionary precursors to human language. Leading scholars analyze how both manual and vocal gestures gave way to mimetic and imitational protolanguage and how the latter possibly transitioned into human language. In the final part, we turn to the hominin lineage, and anthropologists, archeologists and linguists investigate what the necessary neurocognitive, anatomical and behavioral features are in order for human language to evolve and how language differs from other forms of primate communication.

14. Evolution of the Brain, Cognition, and Emotion in Vertebrates

(Series: Brain Science)

Edited by Shigeru Watanabe, Michel A Hofman & Toru Shimizu

Sept 2017, 299 pages, Hardcover (Springer)

ISBN 9784431565574 **¥36,900**

This book presents a new view on the evolution of the brain, cognition, and emotion. Around a half-century ago, Professor Harry Jerison published a seminal book entitled Evolution of the Brain and Intelligence. Since then, there has been a series of dramatic methodological and conceptual changes which have led to many new insights into the understanding of brain evolution and cognition. This book is particularly focused on three significant aspects of such changes. First, taking advantage of a new integrated approach called evolutionary developmental biology or Evo/Devo, researchers have started to look into vertebrate brain evolution from the developmental perspective. Second, comparative neuroanatomists have accumulated a large amount of information about the brains of diverse animal groups to refute the old-fashioned idea that vertebrate brains evolved linearly from non-mammals to mammals. Third, comparative behavioral studies have demonstrated that sophisticated cognition and emotion are not unique to some primates but are also found in many non-primate and even non-mammalian species. This work will appeal to a wide readership in such fields as neuroscience,

15. Ideophones and the Evolution of Language

by John Haiman

Dec 2017, 436 pages, Hardcover (Cambridge U.P.)

ISBN 9781107069602 **ca. ¥23,080**

Ideophones have been recognized in modern linguistics at least since 1935, but they still lie far outside the concerns of mainstream (Western) linguistic debate, in part because they are most richly attested in relatively unstudied (often unwritten) languages. The evolution of language, on the other hand, has recently become a fashionable topic, but all speculations so far have been almost totally data-free. Without disputing the tenet that there are no primitive languages, this book argues that ideophones may be an atavistic throwback to an earlier stage of communication, where sounds and gestures were paired in what can justifiably be called a 'prelinguistic' fashion. The structure of ideophones may also provide answers to deeper questions, among them how communicative gestures may themselves have emerged from practical actions. Moreover, their current distribution and behaviour provide hints as to how they may have become conventional words in languages with conventional rules.

16. Language Evolution and Developmental Impairments

by Arild Lian

Aug 2016, 306 pages, Hardcover (Palgrave Macmillan)

ISBN 9781137587459 **¥21,700**

This book gives an account of developmental language impairment from the perspective of language evolution. Components of language acquisition and specific language impairments can be mapped to stages in the evolutionary trajectory of language. Lian argues that the learning of procedural skills by early ancestors has served as pre-adaptation of grammar. The evolutionary perspective gives rise to a re-evaluation of developmental impairment with respect to diagnostic terminology and methods of treatment. Chapters within cover topics such as dyslexia, the cultural mediation of language evolution and the cross-modality of language. Turn-taking in marmoset monkeys is considered as a pre-adaptation to dialogue in humans, and the role of infant-caregiver interactions is discussed. Language Evolution and Developmental Impairments will be of interest to linguists, psychologists and neurobiologists interested in the intersection of these subjects, as well as scholars of language acquisition and language impairment.

17. Mathematica for Bioinformatics

A Wolfram Language Approach to Omics

by George Mias

May 2018, 400 pages, Hardcover (Springer)

ISBN 9783319723761 **¥3,690**

This book offers a comprehensive introduction to using Mathematica and the Wolfram Language for Bioinformatics. The chapters build gradually from basic concepts and the introduction of the Wolfram Language and coding paradigms in Mathematica, to detailed worked examples derived from typical research applications using Wolfram Language code. The coding examples range from basic sequence analysis, accessing genomic databases, and differential gene expression, to time series analysis of longitudinal omics experiments, multi-omics integration and building dynamic interactive bioinformatics tools using the Wolfram Language. The topics address the daily bioinformatics needs of a broad audience: experimental users looking to understand and

visualize their data, beginner bioinformaticians acquiring coding expertise in providing biological research solutions, and practicing expert bioinformaticians working on omics who wish to expand their toolset to include the Wolfram Language.

18. The Nature of Language Evolution, Paradigms and Circuits

Softcover reprint of the original 2014 Edition
by Dieter Hillert

Sept 2016, 201 pages, Paperback (Springer)
ISBN 9781493944347 **¥23,870**

The book *The Nature of Language* addresses one of the most fundamental questions of mankind: how did language evolve, and what are the neurobiological and cognitive foundations of language processing? This monograph explores these questions from different perspectives to discuss the building blocks of language evolution and how they developed in the way they can be found in modern humans. Furthermore, primarily neural mapping methods of cognition presented in this research provide extremely valuable data about the neural circuitries that are involved in language processing. Thus, the book explores and illustrates cortical mapping in typical language patterns, but also cortical mapping in atypical populations that fail to process particular language aspects. In sum, an evolutionary stance is used to explore how language abilities of the *Homo sapiens* evolved to communicate for the purposes of conveying information, ideas, emotions, goals, humor, etc. This book presents an evolutionary language model that builds on the cognitive abilities of our evolutionary ancestors, and it allows readers to draw a variety of expansive conclusions from that, including the idea that human language as an interface system provides the basis for consciousness.

19. The New World Primates Adaptive Radiation and the Evolution of Social Behavior, Languages, and Intelligence

(Series: Princeton Legacy Library)

Originally published in 1976

by Martin Moynihan

Princeton U.P. - April 2016, 274 pages, Hardback
ISBN 9780691644417 **¥22,620**

The New World primates have radiated widely in tropical America, evolving a variety of adaptations to cope with different ways of life. This comparative survey examines many species. Some are highly specialized in unique ways; others have paralleled the lemurs of Madagascar or the monkeys and apes of Africa and Asia. The author's emphasis is on natural history, behavior, and ecology. Topics include geographical distributions, habitat preferences, territorial arrangements, activity rhythms, feeding techniques, defense mechanisms, and competition and cooperation among individuals of the same species. Much of the material is new, based on recent research in the field. Social reactions and organizations, and communication systems, are discussed in order to consider their implications for the evolution of primates in general and the development of languages and intelligence.

20. Origins of Human Language Continuities and Discontinuities with Nonhuman Primates

(Series: Speech Production and Perception, Vol 4)

Edited by Louis-Jean Boë, Joël Fagot, Pascal Perrier,
& Jean-Luc Schwartz

Peter Lang - Dec 2017, 368 pages, Hardcover
ISBN 9783631737262 **¥15,310**

21. The Palgrave Handbook of Economics and Language

Edited by V. Ginsburgh & S. Weber

Feb 2016, 748 pages, Hardcover (Palgrave
Macmillan) ISBN 9781137325044 **ca. ¥38,590**

Do the languages people speak influence their economic decisions and social behavior in multilingual societies? This Handbook brings together scholars from various disciplines to examine the links and tensions between economics and language to find the delicate balance between monetary benefits and psychological costs of linguistic dynamics.

22. Psychological Mechanisms in Animal Communication

(Animal Signals and Communication, Vol 5)

Edited by Mark A. Bee & Cory T. Miller

Jan 2017, 320 pages, Hardcover (Springer)

ISBN 9783319486888 **¥34,070**

This book analyzes the psychological mechanisms critical to animal communication. The topics covered range from single neurons to broad-scale phylogenetic patterns, shedding new light on the sensory, perceptual, and cognitive processes that underlie the communicative behaviors of signalers and receivers alike. In so doing, the contributing authors collectively integrate research questions and methods from behavioral ecology, cognitive ethology, comparative psychology, evolutionary biology, sensory ecology, and neuroscience. No less broad is the volume's taxonomic coverage, which spans bees to blackbirds to baboons. The ultimate goal of the book is to stimulate additional research into the diversity and evolution of the psychological mechanisms that make animal communication possible.

23. Redefining Translation and Interpretation in Cultural Evolution

(Series: Advances in Religious and Cultural Studies)

by Olaf Immanuel Seel

Oct 2017, 310 pages, Hardcover (IGI Global)

ISBN 9781522528326 **¥36,010**

Culture has a significant influence on the emerging trends in translation and interpretation. By studying language from a diverse perspective, deeper insights and understanding can be gained.

Redefining Translation and Interpretation in Cultural Evolution is a pivotal reference source for the latest scholarly research on culture-oriented translation and interpretation studies in the contemporary globalized society. Featuring coverage on a range of topics such as sociopolitical factors, gender considerations, and intercultural communication, this book is ideally designed for linguistics, educators, researchers, academics, professionals, and students interested in cultural discourse in translation studies.

24. The Social Origins of Language

By Robert M. Seyfarth & Dorothy L. Cheney

Edited and introduced by Michael L. Platt

Princeton U.P. - 2017, Hardcover ISBN:
9780691177236 **¥6,080**

The origins of human language remain hotly debated. Despite growing appreciation of cognitive and neural continuity between humans and other animals, an evolutionary account of human language--in its modern form--remains as elusive as ever. *The Social Origins of Language* provides a novel perspective on this question and charts a new path toward its

resolution.

25. Sociality in Bats

Edited by Jorge Ortega

June 2016, 301 pages, Hardcover (Springer)

ISBN 9783319389516 ¥36,510

This book provides new insights into the social behavior of bats - one of the most fascinating topics currently being pursued by researchers. After an introduction reviewing the history of research in bat behavioral ecology, it covers three major themes: bat sociality per se (Part I), bat communication (Part II), and ecological aspects (Part III). Part I offers a concise overview of the social organization and systems of bats, introducing readers to the complexity and dynamics of group structures. Part II is devoted to the innovative field of social communication, focusing on bat songs, dialects and calls. Part III discusses the influence of the environment on bat behavior, particularly with regard to roosting and foraging. This book addresses the needs of researchers working in behavioral sciences, evolution and ecology.

26. Spider Communication

Mechanisms and Ecological Significance

(Series: Princeton Legacy Library)

by Peter N. Witt & Jerome S. Rovner

April 2016, 452 pages, Hardcover (Princeton U.P.)

ISBN 9780691642154 ¥36,930

Concentrating on the complex spider communication system, this book assembles the most recent multidisciplinary advances of leading researchers from many countries to assess the peculiar role spiders play in the animal kingdom. Originally published in 1982.

The Princeton Legacy Library uses the latest print-on-demand technology to again make available previously out-of-print books from the distinguished backlist of Princeton University Press. These editions preserve the original texts of these important books while presenting them in durable paperback and hardcover editions. The goal of the Princeton Legacy Library is to vastly increase access to the rich scholarly heritage found in the thousands of books published by Princeton University Press since its founding in 1905.

27. Structural and Sociolinguistic Perspectives on Indigenisation On Multilingualism and Language Evolution

Softcover reprint of the original 2014 Edition

Edited by Eric A. Anchimbe

Nov 2016, 213 pages, Paperback (Springer)

ISBN 9789402400663 ¥23,870

Descriptions of new varieties of European languages in postcolonial contexts have focused exceedingly on system-based indigenisation and variation. This volume—while further illustrating processes and instantiations of indigenisation at this level—incorporates investigations of sociolinguistic and pragmatic phenomena in daily social interaction—e.g. politeness, respect, compliment response, naming and address forms, and gender—through innovative analytic frameworks that view indigenisation from emic perspectives. Focusing on postcolonial Cameroon and using natural and questionnaire data, the book assesses the salience of linguistic and sociocultural hybridisation triggered by colonialism and, recently, globalisation in interaction in and across languages and cultures. The authors illustrate how the multilingual nature of the society and individuals' multilingual repertoires shape patterns in the indigenisation and evolution of the ex-colonial languages, English and French, and Pidgin English.

28. Towards a Theoretical Framework for Analyzing Complex Linguistic Networks

(Understanding Complex Systems)

Edited by Alexander Mehler, Andy Lücking & Sven Banisch

July 2015, 343 pages, Hardcover (Springer)

ISBN 9783662472378 ¥32,450

The aim of this book is to advocate and promote network models of linguistic systems that are both based on thorough mathematical models and substantiated in terms of linguistics. In this way, the book contributes first steps towards establishing a statistical network theory as a theoretical basis of linguistic network analysis the boarder of the natural sciences and the humanities. This book addresses researchers who want to get familiar with theoretical developments, computational models and their empirical evaluation in the field of complex linguistic networks. It is intended to all those who are interested in statistical models of linguistic systems from the point of view of network research. This includes all relevant areas of linguistics ranging from phonological, morphological and lexical networks on the one hand and syntactic, semantic and pragmatic networks on the other. In this sense, the volume concerns readers from many disciplines such as physics, linguistics, computer science and information science. It may also be of interest for the upcoming area of systems biology with which the chapters collected here share the view on systems from the point of view of network analysis.



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