

# Developmental Plasticity

- Refers to changes in the brain's neural structure in response to experience during its growth and development
- This type of plasticity is predetermined by our genes but can also be influenced by our environment
- After birth a significant developmental change occurs where the infant brain forms far more synaptic connections than it will ever use in a process known as **synaptogenesis** (the forming of new synapses)
- Synaptogenesis during an early age is believed to allow an infant to respond to the constant stream of new environmental input

# Developmental Plasticity And Evolution Developmental Plasticity And Evolution

**William Allen Schew**



## **Developmental Plasticity And Evolution Developmental Plasticity And Evolution:**

**Developmental Plasticity and Evolution** Mary Jane West-Eberhard, 2003-03-13 The first comprehensive synthesis on development and evolution it applies to all aspects of development at all levels of organization and in all organisms taking advantage of modern findings on behavior genetics endocrinology molecular biology evolutionary theory and phylogenetics to show the connections between developmental mechanisms and evolutionary change This book solves key problems that have impeded a definitive synthesis in the past It uses new concepts and specific examples to show how to relate environmentally sensitive development to the genetic theory of adaptive evolution and to explain major patterns of change In this book development includes not only embryology and the ontogeny of morphology sometimes portrayed inadequately as governed by regulatory genes but also behavioral development and physiological adaptation where plasticity is mediated by genetically complex mechanisms like hormones and learning The book shows how the universal qualities of phenotypes modular organization and plasticity facilitate both integration and change Here you will learn why it is wrong to describe organisms as genetically programmed why environmental induction is likely to be more important in evolution than random mutation and why it is crucial to consider both selection and developmental mechanism in explanations of adaptive evolution This book satisfies the need for a truly general book on development plasticity and evolution that applies to living organisms in all of their life stages and environments Using an immense compendium of examples on many kinds of organisms from viruses and bacteria to higher plants and animals it shows how the phenotype is reorganized during evolution to produce novelties and how alternative phenotypes occupy a pivotal role as a phase of evolution that fosters diversification and speeds change The arguments of this book call for a new view of the major themes of evolutionary biology as shown in chapters on gradualism homology environmental induction speciation radiation macroevolution punctuation and the maintenance of sex No other treatment of development and evolution since Darwin's offers such a comprehensive and critical discussion of the relevant issues *Developmental Plasticity and Evolution* is designed for biologists interested in the development and evolution of behavior life history patterns ecology physiology morphology and speciation It will also appeal to evolutionary paleontologists anthropologists psychologists and teachers of general biology

*Developmental Plasticity and Evolution* Mary Jane West-Eberhard, 2003-03-13 The first comprehensive synthesis on development and evolution it applies to all aspects of development at all levels of organization and in all organisms taking advantage of modern findings on behavior genetics endocrinology molecular biology evolutionary theory and phylogenetics to show the connections between developmental mechanisms and evolutionary change This book solves key problems that have impeded a definitive synthesis in the past It uses new concepts and specific examples to show how to relate environmentally sensitive development to the genetic theory of adaptive evolution and to explain major patterns of change In this book development includes not only embryology and the ontogeny of morphology sometimes portrayed inadequately as governed by regulatory genes but also behavioral development

and physiological adaptation where plasticity is mediated by genetically complex mechanisms like hormones and learning. The book shows how the universal qualities of phenotypes—modular organization and plasticity—facilitate both integration and change. Here you will learn why it is wrong to describe organisms as genetically programmed, why environmental induction is likely to be more important in evolution than random mutation, and why it is crucial to consider both selection and developmental mechanism in explanations of adaptive evolution. This book satisfies the need for a truly general book on development, plasticity, and evolution that applies to living organisms in all of their life stages and environments. Using an immense compendium of examples on many kinds of organisms, from viruses and bacteria to higher plants and animals, it shows how the phenotype is reorganized during evolution to produce novelties and how alternative phenotypes occupy a pivotal role as a phase of evolution that fosters diversification and speeds change. The arguments of this book call for a new view of the major themes of evolutionary biology as shown in chapters on gradualism, homology, environmental induction, speciation, radiation, macroevolution, punctuation, and the maintenance of sex. No other treatment of development and evolution since Darwin's offers such a comprehensive and critical discussion of the relevant issues.

**Developmental Plasticity and Evolution** is designed for biologists interested in the development and evolution of behavior, life history patterns, ecology, physiology, morphology, and speciation. It will also appeal to evolutionary paleontologists, anthropologists, psychologists, and teachers of general biology.

**Evolution** Wallace Arthur, 2011-01-25. This book is aimed at students taking courses on evolution in universities and colleges. Its approach and its structure are very different from previously published evolution texts. The core theme in this book is how evolution works by changing the course of embryonic and post embryonic development. In other words, it is an evolution text that has been very much influenced by the new approach of evolutionary developmental biology or *evo devo*. Key themes include the following: developmental repatterning, adaptation, and coadaptation, gene co-option, developmental plasticity, the origins of evolutionary novelties and body plans, and evolutionary changes in the complexity of organisms. As can be seen from this list, the book includes information across the levels of the gene, the organism, and the population. It also includes the issue of mapping developmental changes onto evolutionary trees. The examples used to illustrate particular points range widely, including animals, plants, and fossils. I have really enjoyed reading this book. One of the strengths of the book is the almost conversational style. I found the style easy to read, but also feel that it will be invaluable in teaching. One of our tasks in university-level teaching is to develop students' critical thinking skills. We need to support them in their intellectual development from a just-the-facts approach to being able to make critical judgements based on available evidence. The openness and honesty with which Arthur speaks to uncertainty in science is refreshing and will be a baseline for discussions with students.

Professor Patricia Moore, Exeter University. This book, written as an undergraduate text, is a really most impressive book. Given the burgeoning interest in the role of developmental change in evolution in recent times, this will be a very timely publication. The book is well structured and like the author's other books

very well written He communicates with a clear lucid style and has the ability to explain even the more difficult concepts in an accessible manner Professor Kenneth McNamara University of Cambridge The companion site can be found at [www.wiley.com/go/arthur evolution](http://www.wiley.com/go/arthur%20evolution) Here you download all figures from the book captions tables and table of contents

**Developmental Plasticity** Eugene Gollin, 2012-12-02 Developmental Plasticity Behavioral and Biological Aspects of Variations in Development explores the behavioral and biological aspects of variations in development from a variety of theoretical viewpoints and research contexts Topics covered include evolution and genetic variability sensory bases of infant perception and learning and ethology The infancy of human learning processes is also discussed along with epistemology and developmental psychology Comprised of eight chapters this book opens with a review of the broad evolutionary landscape and the specific genetic mechanisms implicated in biological and behavioral development It then describes the sensory apparatus available to neonatal human beings and analyzes the similarities and differences between ethological theory and learning theory Developmental plasticity is also examined in interdisciplinary contexts while the acquisition of behavior patterns during early postnatal development is explored from a traditional learning theory point of view The remaining chapters focus on the role played by asymmetry in general and by cerebral asymmetry in particular in the generation of individuality cultural and biological instances of plasticity in development and the barriers separating epistemology from developmental psychology and psycholinguistics This monograph will be a useful resource for developmental psychologists and other professionals devoted to child development and learning as well as those in the fields of genetics and behavioral and biological sciences

**Phenotypic Plasticity & Evolution** David W. Pfennig, 2021-05-31 Phenotypic plasticity the ability of an individual organism to alter its features in direct response to a change in its environment is ubiquitous Understanding how and why this phenomenon exists is crucial because it unites all levels of biological inquiry This book brings together researchers who approach plasticity from diverse perspectives to explore new ideas and recent findings about the causes and consequences of plasticity Contributors also discuss such controversial topics as how plasticity shapes ecological and evolutionary processes whether specific plastic responses can be passed to offspring and whether plasticity has left an important imprint on the history of life Importantly each chapter highlights key questions for future research Drawing on numerous studies of plasticity in natural populations of plants and animals this book aims to foster greater appreciation for this important but frequently misunderstood phenomenon Key Features Written in an accessible style with numerous illustrations including many in color Reviews the history of the study of plasticity including Darwin's views Most chapters conclude with recommendations for future research

*Plasticity, Robustness, Development and Evolution* Patrick Bateson, Peter Gluckman, 2011-06-30 How do we understand and explain the apparent dichotomy between plasticity and robustness in the context of development Can we identify these complex processes without resorting to either or solutions Written by two leaders in the field this is the first book to fully unravel the complexity of the subject explaining that the

epigenetic processes generating plasticity and robustness are in fact deeply intertwined It identifies the different mechanisms that generate robustness and the various forms of plasticity before considering the functional significance of the integrated mechanisms and how the component processes might have evolved Finally it highlights the ways in which epigenetic mechanisms could be instrumental in driving evolutionary change Essential reading for biologists and psychologists interested in epigenetics and evolution this book is also a valuable resource for biological anthropologists sociobiologists child psychologists and paediatricians

**Phenotypic Plasticity & Evolution** David W. Pfennig, 2021-05-31

Phenotypic plasticity the ability of an individual organism to alter its features in direct response to a change in its environment is ubiquitous Understanding how and why this phenomenon exists is crucial because it unites all levels of biological inquiry This book brings together researchers who approach plasticity from diverse perspectives to explore new ideas and recent findings about the causes and consequences of plasticity Contributors also discuss such controversial topics as how plasticity shapes ecological and evolutionary processes whether specific plastic responses can be passed to offspring and whether plasticity has left an important imprint on the history of life Importantly each chapter highlights key questions for future research Drawing on numerous studies of plasticity in natural populations of plants and animals this book aims to foster greater appreciation for this important but frequently misunderstood phenomenon

**Key Features** Written in an accessible style with numerous illustrations including many in color Reviews the history of the study of plasticity including Darwin's views Most chapters conclude with recommendations for future research

*Encyclopedia of Evolutionary Biology*, 2016-04-14

Encyclopedia of Evolutionary Biology Four Volume Set is the definitive go to reference in the field of evolutionary biology It provides a fully comprehensive review of the field in an easy to search structure Under the collective leadership of fifteen distinguished section editors it is comprised of articles written by leading experts in the field providing a full review of the current status of each topic The articles are up to date and fully illustrated with in text references that allow readers to easily access primary literature While all entries are authoritative and valuable to those with advanced understanding of evolutionary biology they are also intended to be accessible to both advanced undergraduate and graduate students Broad topics include the history of evolutionary biology population genetics quantitative genetics speciation life history evolution evolution of sex and mating systems evolutionary biogeography evolutionary developmental biology molecular and genome evolution coevolution phylogenetic methods microbial evolution diversification of plants and fungi diversification of animals and applied evolution Presents fully comprehensive content allowing easy access to fundamental information and links to primary research Contains concise articles by leading experts in the field that ensures current coverage of each topic Provides ancillary learning tools like tables illustrations and multimedia features to assist with the comprehension process

**Evolution and Developmental Adaptations** Pasquale De Marco, 2025-08-14

In a world teeming with diversity organisms display a remarkable ability to adapt and thrive in a myriad of environments This captivating

phenomenon known as developmental plasticity lies at the heart of evolution enabling organisms to mold their development in response to the ever changing tapestry of life This comprehensive and groundbreaking book delves into the fascinating world of developmental plasticity exploring the intricate relationship between an organism s development and its ability to adapt to its environment Drawing upon cutting edge research and thought provoking case studies the book unravels the profound implications of developmental plasticity for our understanding of evolution ecology and the future of life on Earth Through a comprehensive examination of the latest scientific advancements the book provides a holistic understanding of the complex interplay between development and adaptation It delves into the intricate mechanisms that allow organisms to modify their development in response to environmental cues shedding light on the role of gene expression cellular signaling and epigenetic modifications in this remarkable process By unraveling the molecular and genetic underpinnings of developmental plasticity the book offers new insights into the evolutionary forces that have shaped the diversity of life Furthermore the book explores the profound implications of developmental plasticity for human societies It investigates how developmental plasticity contributes to our understanding of human health disease and behavior offering new avenues for addressing pressing global challenges By delving into the intricate relationship between development and adaptation the book fosters a renewed appreciation for the remarkable resilience and adaptability of life inspiring a sense of awe at the natural world s complexities As we venture into the future developmental plasticity holds immense promise for addressing some of the most pressing challenges facing our planet This book provides a roadmap for future research and innovation encouraging scientists to harness the power of developmental plasticity to develop novel strategies for mitigating climate change improving food security and combating emerging diseases With its captivating narrative and comprehensive exploration of developmental plasticity this book is an essential resource for scientists educators and anyone seeking a deeper understanding of the remarkable diversity of life on Earth It is a testament to the intricate interconnectedness of life inspiring a sense of wonder and awe at the natural world s ability to adapt and thrive If you like this book write a review

**Study Guide to Evolutionary Biology** ,2024-10-26 Designed for professionals students and enthusiasts alike our comprehensive books empower you to stay ahead in a rapidly evolving digital world Expert Insights Our books provide deep actionable insights that bridge the gap between theory and practical application Up to Date Content Stay current with the latest advancements trends and best practices in IT AI Cybersecurity Business Economics and Science Each guide is regularly updated to reflect the newest developments and challenges Comprehensive Coverage Whether you re a beginner or an advanced learner Cybellium books cover a wide range of topics from foundational principles to specialized knowledge tailored to your level of expertise Become part of a global network of learners and professionals who trust Cybellium to guide their educational journey [www.cybellium.com](http://www.cybellium.com) *Handbook of Evolutionary Thinking in the Sciences* Thomas Heams,Philippe Huneman,Guillaume Lecointre,Marc Silberstein,2014-11-23 The Darwinian theory of evolution is itself

evolving and this book presents the details of the core of modern Darwinism and its latest developmental directions. The authors present current scientific work addressing theoretical problems and challenges in four sections beginning with the concepts of evolution theory its processes of variation heredity selection adaptation and function and its patterns of character species descent and life. The second part of this book scrutinizes Darwinism in the philosophy of science and its usefulness in understanding ecosystems whilst the third section deals with its application in disciplines beyond the biological sciences including evolutionary psychology and evolutionary economics Darwinian morality and phylo linguistics. The final section addresses anti Darwinism the creationist view and issues around teaching evolution in secondary schools. The reader learns how current experimental biology is opening important perspectives on the sources of variation and thus of the very power of natural selection. This work examines numerous examples of the extension of the principle of natural selection and provides the opportunity to critically reflect on a rich theory on the methodological rigour that presides in its extensions and exportations and on the necessity to measure its advantages and also its limits. Scholars interested in modern Darwinism and scientific research its concepts research programs and controversies will find this book an excellent read and those considering how Darwinism might evolve how it can apply to the human sciences and other disciplines beyond its origins will find it particularly valuable. Originally produced in French *Les Mondes Darwiniens* the scope and usefulness of the book have led to the production of this English text to reach a wider audience. This book is a milestone in the impressive penetration by Francophone scholars into the world of Darwinian science its historiography and philosophy over the last two decades. Alex Rosenberg R Taylor Cole Professor of Philosophy Duke University. Until now this useful and comprehensive handbook has only been available to francophones. Thanks to this invaluable new translation this collection of insightful and original essays can reach the global audience it deserves. Tim Lewens University of Cambridge

*How Can Development and Plasticity Contribute to Understanding Evolution of the Human Brain?* Roberto Lent, Fernanda Tovar-Moll, 2016-07-19. Humans usually attribute themselves the prerogative of being the pinnacle of evolution. They have large brains with many billion neurons and glial cells trillions of synapses and besides all a plastic hardware that may change either subtly or strongly in response to the external environment and internal mental commands. With this hypercomplex apparatus they are capable of very sophisticated inward computations and outward behaviors that include self recognition metacognition different forms of language expression and reception prediction of future events planning and performing long streams of motor acts subtle emotional feelings and many other surprising almost unbelievable properties. The main challenge for research is how do we explain this gigantic achievement of evolution. Is it a direct consequence of having acquired a brain larger than our primate ancestors with huge numbers of computational units. Would it be determined by a particular way these units came to relate to each other building up logic circuits of powerful capacities. What along development has made the difference for the construction of such a complex brain machine. How much of this complexity is innate how much is sculpted by influence of



the external world by social interaction with our human fellows and by the history of our own mental trajectory along life. Many specific questions can be asked albeit not necessarily answered so far to this purpose: 1 which genomic characteristics make us unique among primates? 2 which of developmental events during and beyond embryogenesis define our brain? prolonged neurogenesis, permanent circuit reformation, dynamic synaptogenesis, regressive sculpting of the hardware: all of them? 3 is there anything special about plasticity of the human brain that allows us to build the exquisite individual variability characteristic of our brains? Neuroscience is in need of a synthesis. Perhaps associating concepts derived from developmental neurobiology with evolutionary morphology and physiology together with those that photograph the human brain in action under influence of the external world would turn on a light at the end of the tunnel and we would be able to understand what humans do have that is special if anything to explain our success in the Earth.

*Epigenetic Principles of Evolution* Nelson Cabej, 2012. Cabej, biology U of Tirana, Albania, explains the epigenetic principles of evolution as opposed to the theory of evolution as determined by changes in genes and reconstructs the developmental mechanisms of evolutionary changes in metazoans based on empirical evidence. He focuses on the mechanisms of the generation of the evolutionary innovations from the influence of environment on heredity rather than the role of natural selection. He discusses control systems and determination of phenotypic traits in metazoans, neural manipulation of gene expression, epigenetic control of reproduction and early development, neural control of postphylogenetic development and the epigenetic system of inheritance. He follows with description of neural developmental premises of evolutionary adaptation including evolution and stress responses and behavioral adaptation to changes in environment, ontogeny and intragenerational developmental plasticity, epigenetics of circumevolutionary phenomena and the mechanism of evolutionary change including transgenerational developmental plasticity and the evolution of metazoans and their control system and the origins of evolutionary novelty: evolution by loss or by reverting to ancestral characters, neural crest determined evolutionary novelties, evolutionary convergences, species and allopatric speciation and sympatric speciation. He presents the available evidence for his theory rather than illustrating an established theory and includes a comparative presentation of the neo-Darwinian view to his epigenetic explanation. There is no index.

Annotation 2012. Book News Inc, Portland, OR, booknews.com. *Darwin's Psychology* Ben Bradley, 2020-09-11. Darwin has long been hailed as forefather to behavioural science especially nowadays with the growing popularity of evolutionary psychology. Yet until now his contribution to the field of psychology has been somewhat understated. This is the first book ever to examine the riches of what Darwin himself wrote about psychological matters. It unearths a Darwin new to contemporary science whose first concern is the agency of organisms from which he derives both his psychology and his theory of evolution. A deep reading of Darwin's writings on climbing plants and babies blushing and bower birds, worms and facial movements shows that for Darwin evolution does not explain everything about human action. Group life and culture are also keys whether we discuss the dynamics of conscience or the dramas of desire. Thus his treatment of facial actions sets out

from the anatomy and physiology of human facial movements and shows how these gain meanings through their recognition by others A discussion of blushing extends his theory to the way reading others expressions rebounds on ourselves I care about how I think you read me This dynamic proves central to how Darwin understands sexual desire the production of conscience and of social standards through group dynamics and the role of culture in human agency Presenting a new Darwin to science and showing how widely Darwin s understanding of evolution and agency has been misunderstood and misrepresented in biology and the social sciences this important new book lights a new way forward for those who want to build psychology on the foundation of evolutionary biology

*Evolution and Development of Fishes* Zerina Johanson,Charlie Underwood,Martha Richter,2019-01-10 Fish or lower vertebrates occupy the basal nodes of the vertebrate phylogeny and are therefore crucial in interpreting almost every feature of more advanced vertebrates including amphibians reptiles birds and mammals Recent research focuses on combining evolutionary observations primarily from the fish fossil record with developmental data from living fishes in order to better interpret evolutionary history and vertebrate phylogeny This book highlights the importance of this research in the interpretation of vertebrate evolution bringing together world class palaeontologists and biologists to summarise the most interesting current and cutting edge topics in fish evolution and development It will be an invaluable tool for researchers in early vertebrate palaeontology and evolution and those particularly interested in the interface between evolution and development

**The Evolutionary Significance of Developmental Plasticity in Growing Birds** William Allen Schew,1995

*Developmental Plasticity, Evolution and the Origins of Disease* ,2007

*Evolution "On Purpose"* Peter A. Corning,Stuart A. Kauffman,Denis Noble,James A. Shapiro,Richard I. Vane-Wright,2023-08-22 A unique exploration of teleonomy also known as evolved purposiveness as a major influence in evolution by a broad range of specialists in biology and the philosophy of science The evolved purposiveness of living systems termed teleonomy by chronobiologist Colin Pittendrigh has been both a major outcome and causal factor in the history of life on Earth Many theorists have appreciated this over the years going back to Lamarck and even Darwin in the nineteenth century In the mid twentieth century however the complex dynamic process of evolution was simplified into the one way bottom up single gene centered paradigm widely known as the modern synthesis In *Evolution On Purpose* edited by Peter A Corning Stuart A Kauffman Denis Noble James A Shapiro Richard I Vane Wright and Addy Pross some twenty theorists attempt to modify this reductive approach by exploring in depth the different ways in which living systems have themselves shaped the course of evolution *Evolution On Purpose* puts forward a more inclusive theoretical synthesis that goes far beyond the underlying principles and assumptions of the modern synthesis to accommodate work since the 1950s in molecular genetics developmental biology epigenetic inheritance genomics multilevel selection niche construction physiology behavior biosemiotics chemical reaction theory and other fields In the view of the authors active biological processes are responsible for the direction and the rate of evolution Essays in this collection grapple with topics

from the two way read write genome to cognition and decision making in plants to the niche construction activities of many organisms to the self making evolution of humankind As this collection compellingly shows and as bacterial geneticist James Shapiro emphasizes The capacity of living organisms to alter their own heredity is undeniable **Ecological Genomics** Christian R. Landry, Nadia Aubin-Horth, 2013-11-25 Researchers in the field of ecological genomics aim to determine how a genome or a population of genomes interacts with its environment across ecological and evolutionary timescales Ecological genomics is trans disciplinary by nature Ecologists have turned to genomics to be able to elucidate the mechanistic bases of the biodiversity their research tries to understand Genomicists have turned to ecology in order to better explain the functional cellular and molecular variation they observed in their model organisms We provide an advanced level book that covers this recent research and proposes future development for this field A synthesis of the field of ecological genomics emerges from this volume Ecological Genomics covers a wide array of organisms microbes plants and animals in order to be able to identify central concepts that motivate and derive from recent investigations in different branches of the tree of life Ecological Genomics covers 3 fields of research that have most benefited from the recent technological and conceptual developments in the field of ecological genomics the study of life history evolution and its impact of genome architectures the study of the genomic bases of phenotypic plasticity and the study of the genomic bases of adaptation and speciation

**Evolutionary Perspectives on Human Development** Robert G. Burgess, Kevin MacDonald, 2005 This new edition of Evolutionary Perspectives on Human Development is obligatory reading for anyone interested in the integration of evolutionary theory into developmental psychology It provides a valuable corrective to recent narrow approaches which argue that the human mind is constructed exclusively of domain specific mechanisms and which deemphasize the importance of human psychological and behavioral plasticity Anyone who reads this book will come away with a richer understanding of our shared human nature Bill Irons Northwestern University In this volume Burgess and MacDonald have brought together a distinguished group of psychologists and anthropologists to investigate how given our evolutionary heritage genetic make up and salient environment behavior cognition and emotion unfold from the human organism They make clear that both evolutionary functional and proximate behavioral perspectives are essential to understanding the human mind and its products Many of these essays should be required reading for sociobiologists evolutionary psychologists and evolutionary anthropologists and their ilk Jeffrey Kurland Penn State It s clear that evolutionary biology has a tremendous amount to offer when it comes to our understanding of human development and yet many experts in developmental psychology have remained impervious to these insights At last this may change Burgess and MacDonald have compiled a rich array of theory and data much of it contributed by the leading lights of evolutionary psychology or if you prefer sociobiology A very valuable collection and one that might help define a new and important field David P Barash University of Washington Evolutionary Perspectives on Human Development Second Edition considers the role of evolutionary theory in the field of developmental

psychology to examine key topics of individual human development This unique book fills an important gap in the literature applying evolutionary models to human development by focusing on central development issues The book emphasizes both domain general evolved psychological mechanisms and domain specific processes The text also integrates behavior genetic research with evolutionary and developmental principles In this contributed volume editors Robert L Burgess and Kevin MacDonald have brought together a distinguished group of social and behavioral scientists employing multiple levels of analysis drawn from a variety of academic disciplines This diverse group of contributors illustrates the enormous power of evolutionary theory by elucidating human behavior and its development and the various ways it is manifested in different environments Evolutionary Perspectives on Human Development applies evolutionary theory to such topics as parent child relationships the maltreatment of children psychopathology cooperation and competition among siblings and the acquisition of vital resources in different cultural settings from an evolutionary point of view Key Features Comprehensive coverage of the impact of evolutionary theory on human development provides students with the most thorough foundation available in this area Contributions by leading scholars and researchers expose readers to the exciting research and developments that have been occurring in the field An introductory chapter written by the volume editors provides an accessible overview of the book Evolutionary Perspectives on Human Development provides state of the art groundwork in evolutionary theory as viewed by leading thinkers in the field It is an excellent supplementary textbook for advanced undergraduate and graduate courses in evolutionary and developmental psychology

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