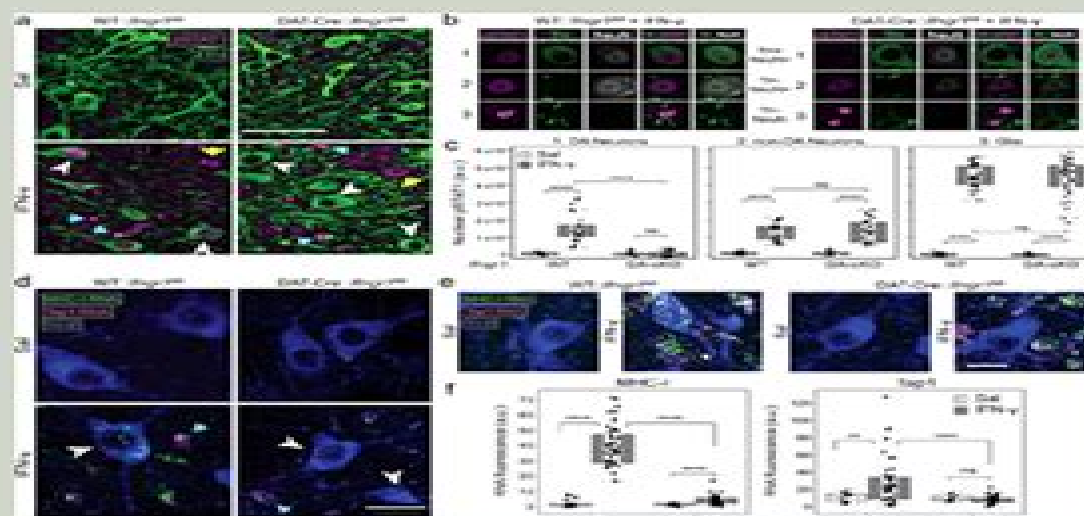


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exploration of the problem of learning action strategies in the context of designing embedded systems that adapt their behaviour to a complex changing environment Such systems include mobile robots factory process controllers and long term software databases

Bird Brains and Behavior Georg F. Striedter, Andrew N. Iwaniuk, 2025-08-19 From two avian neurobiologists a captivating deep dive into the mechanisms that control avian behavior The last few decades have produced extensive research on the neural mechanisms of avian behavior Bird Brains and Behavior marries the enthusiasm of bird enthusiasts for the what how and why of avian behavior with the scientific literature on avian biology offering the newest research in an accessible manner Georg Striedter and Andrew Iwaniuk focus on a wide variety of behaviors ranging from daily and seasonal rhythms to complex cognition Importantly avian behavior and mechanisms are placed in the context of evolutionary history stressing that many are unique to birds and often found in only a subset of species

The Oxford Handbook of Comparative Cognition Thomas R. Zentall, Edward A. Wasserman, 2012-03-20 This comprehensive volume illustrates why an understanding of animal intelligence is essential in disclosing the nature of minds other than our own making it a fascinating volume for anyone curious about the state of modern comparative cognition

Handbook of Intelligence Sam Goldstein, Dana Princiotta, Jack A. Naglieri, 2014-12-08 Numerous functions cognitive skills and behaviors are associated with intelligence yet decades of research has yielded little consensus on its definition Emerging from often conflicting studies is the provocative idea that intelligence evolved as an adaptation humans needed to keep up with and survive in challenging new environments The Handbook of Intelligence addresses a broad range of issues relating to our cognitive and linguistic past It is the first full length volume to place intelligence in an evolutionary cultural framework tracing the development of the human mind exploring differences between humans and other primates and addressing human thinking and reasoning about its own intelligence and its uses The works of pioneering thinkers from Plato to Darwin Binet to Piaget Luria to Wechsler are referenced to illustrate major events in the evolution of theories of intelligence leading to the current era of multiple intelligences and special education programs In addition it examines evolutionary concepts in areas as diverse as creativity culture neurocognition emotional intelligence and assessment Featured topics include The evolution of the human brain from matter to mind Social competition and the evolution of fluid intelligence Multiple intelligences in the new age of thinking Intelligence as a malleable construct From traditional IQ to second generation intelligence tests The evolution of intelligence including implications for educational programming and policy The Handbook of Intelligence is an essential resource for researchers graduate students clinicians and professionals in developmental psychology assessment testing and evaluation language philosophy personality and social psychology sociology and developmental biology

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Handbook of Evolutionary Psychology Robin Ian MacDonald Dunbar, Louise Barrett, 2007 The Oxford Handbook of Evolutionary Psychology is the definitive comprehensive and authoritative text on this burgeoning field With contributions from over fifty experts in the field the range and depth of coverage is unequalled It will be an essential resource for students and researchers in psychology

Perspectives on Animal Behavior Judith Goodenough, Betty McGuire, Elizabeth Jakob, 2009-09-22 The third edition of a successful and effective book for the introductory course in Animal Behavior The text includes strong supportive reviews a balanced approach and the latest in research and findings The author is known for an accessible and easy to understand writing style making the most difficult topics understandable

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