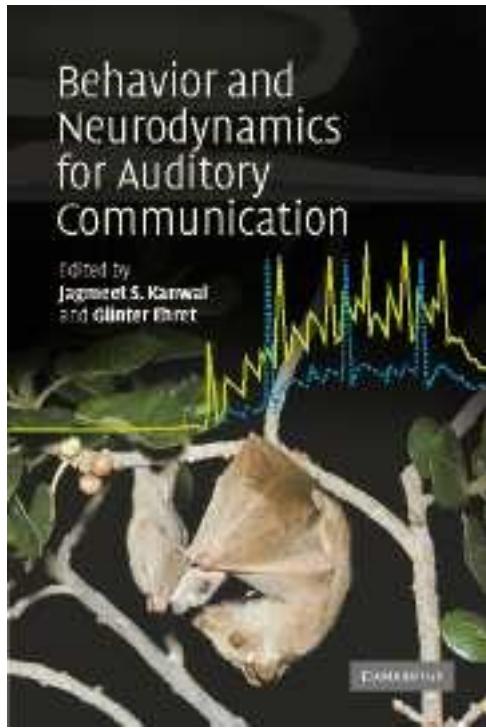


Behaviour and Neurodynamics for Auditory Communication



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How do animals produce and process sounds for communication? How do their brains encode the large amounts of sensory information so rapidly and how do they use this to cope with their environment? These questions not only concern the evolution of sound communication systems but also aim to understand how arousal, motivation, emotion and behavioral contexts are vocally expressed and how important sound attributes are recognized and perceived. This book highlights auditory communication in several species from four perspectives: actual sound communication, audio-vocal

adaptations, adaptations of sound processing and representation in higher auditory brain centers, and emotional and cognitive adaptations in signaling and processing. Broad in scope and geared towards graduate students and researchers within the fields of auditory communication and cognition, this book will appeal to auditory neurobiologists, speech, hearing and communication scientists and engineers, students of animal behavior and neuroethologists.

作者介绍:

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