

Behavioral Lateralization In Vertebrates

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Functional lateralization in the human brain was first identified in the classic observations by Broca in the 19th century. Only one hundred years later, however, research on this topic began anew, discovering that humans share brain lateralization not only with other mammals, but with other vertebrates and even invertebrates. Studies on lateralization have also received considerable attention in recent years due to their important evolutionary implications, becoming an important and flourishing field of investigation worldwide among ethnologists and psychologists. The chapters of this book concern the emergence and adaptive function of lateralization in several aspects of behavior for a wide range of vertebrate taxa.

These studies span from how lateralization affects some aspects of fitness in fishes, or how it affects the predatory and the exploratory behavior of lizards, to navigation in the homing flights of pigeons, social learning in chicks, the influence of lateralization on the ontogeny process of chicks, and the similarity of manual lateralization (handedness) between humans and apes, our closest relatives. EAN/ISBN :

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