

## Cerebral Lateralization In Nonhuman Species Paperback 1985 By Stanley D Glickeditor

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### Cerebral Lateralization In Nonhuman Species

Description. Cerebral Lateralization in Nonhuman Species explores brain asymmetries in animals and the extent to which such asymmetries relate, in an evolutionary and clinical sense, to the pervasive asymmetries that characterize the human brain. Topics covered include cerebral lateralization in birds, rats, and nonhuman primates; the inheritance of direction and degree of asymmetry in the brain; the morphology of rat forebrain; and variation in the pattern of behavioral and brain ...

### Cerebral Lateralization in Nonhuman Species | ScienceDirect

Cerebral Lateralization in Nonhuman Species explores brain asymmetries in animals and the extent to which such asymmetries relate, in an evolutionary and clinical sense, to the pervasive asymmetries that characterize the human brain.

### Cerebral Lateralization in Nonhuman Species - 1st Edition

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### Cerebral Lateralization in Nonhuman Species (eBook, 2012 ...

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### Cerebral Lateralization in Nonhuman Species. (eBook, 1985 ...

Manual lateralization in nonhuman primates has been mainly studied by observing simple food reaching in monkeys. Reaching belongs to the minimal manual repertoire of most nonhuman primates (Jolly, 1972) and is developed very early in infancy (e.g., 4 weeks of age in baboons; Fagot,

in press).

## **Manual laterality in nonhuman primates: A distinction ...**

Emotion Lateralization in Non-Human Primates: Perception. The ability to read others' emotional expressions provides valuable information about affective state and allows an animal to modify its own behavior in light of the information gained. As such, the ability to accurately and efficiently distinguish facial emotions is a vital skill.

## **Continuities in Emotion Lateralization in Human and Non ...**

This paper thus reviews research examining the patterns of lateralization for the expression and perception of facial emotion in non-human primates, aiming to determine whether the patterns of hemispheric asymmetry that characterize the human brain are similarly evident in other primate species.

## **Frontiers | Continuities in Emotion Lateralization in ...**

Visual system asymmetry: avian models. The ontogeny of lateralization has been investigated in two avian species, the precocial domestic chick (*Gallus gallus*) and the altricial pigeon (*Columba livia*). In both species, development of visual object discrimination asymmetry is triggered by exposure of the embryo to light (chick, Rogers and Sink, 1988; pigeon, Skiba et al., 2002).

## **Lateralization of the Vertebrate Brain: Taking the Side of ...**

Highly suggestive invertebrate and avian models for lateralization are presented, along with the evidence for cerebral dominance and handedness in nonhuman species. Human clinical neuropsychological findings, such as the effects of unilateral cortical and thalamic lesions and the syndrome of unilateral neglect, are considered, together with asymmetries in perception and attention.

## **Lateralization in the Nervous System | ScienceDirect**

Brain Lateralization Research by M.K. Holder, Ph.D. Karibu - Welcome. If you care to look over my shoulder while I am working you can: Find out what Handedness has to do with Brain Lateralization, and who cares, Participate in on-going research on Human Handedness, See and hear several species of African monkeys and apes on

## **Primate Handedness and Brain Lateralization**

Papers published in this Special Issue will report on asymmetry of brain and behaviour in invertebrate and vertebrate species. Since the discovery that lateralization is not a unique characteristic of humans, evidence of its presence in a broad range of non-human species has accumulated.

## **Laterality Special Issue: Brain and behavioural ...**

Comparative studies on brain asymmetry date back to the 19th century but then largely disappeared due to the assumption that lateralization is uniquely human. Since the reemergence of this field in the 1970s, we learned that left-right differences of brain and behavior exist throughout the animal kingdom and pay off in terms of sensory, cognitive, and motor efficiency.

## **Brain Lateralization: A Comparative Perspective ...**

Lateralization of brain and behavior in both humans and nonhuman animals is a topic that has fascinated neuroscientists since its initial discovery in the mid of the nineteenth century (Broca ...

**Lateralization of the human brain | Request PDF**

Cerebral lateralization and histamine skin test asymmetries in humans. Wise SL, Meador KJ, Thompson WO, Avery SS, Loring DW, Wray BB. Ann Allergy, 70(4):328-332, 01 Apr 1993 Cited by 2 articles | PMID: 8466098

**Brain asymmetries: cerebral lateralization in nonhuman ...**

The ontogeny of lateralization has been investigated in two avian species, the precocial domestic chick (*Gallus gallus*) and the altricial pigeon (*Columba livia*). In both species, development of visual object discrimination asymmetry is triggered by exposure of the embryo to light (chick, Rogers and Sink, 1988; pigeon, Skiba et al., 2002).

**Lateralization of the Vertebrate Brain: Taking the Side of ...**

especially comprehensive review of cerebral lateralization is provided by Geschwind and Galaburda (1985a-c, 1987), who emphasize the possible genetic bases of lateralization as well as its relationship to immunological responses, sex hormones, and other chemicals. Finally, a review of lateralization in nonhuman species is provided

**Brain lateralization in primates and its evolution in hominids**

Falk, Dean 1987. Brain lateralization in primates and its evolution in hominids. American Journal of Physical Anthropology, Vol. 30, Issue. S8, p. 107.

**Primate handedness reconsidered | Behavioral and Brain ...**

Indeed, given the seeming ubiquity of lateralized brain function in vertebrates, we must wonder why it took so long to discover it in nonhuman species. The answer lies in that initial decision, more than a century ago, to appropriate lateralization for ourselves, as evidence of our self-proclaimed mental superiority.

**Seeking the Right Answers About Right Brain-Left Brain ...**

The Brain. Scrub jays are one of the animals known to perform their own version of magic tricks, distracting those that might steal their caches by creating illusions of hiding food elsewhere ...

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