

The Human Amygdala

The amygdaloid body is also known as the amygdaloid nucleus. This is an oval structure located within the temporal lobe of the human brain. The structure is a small

With advances in neuroimaging technology such as MRI, neuroscientists have made significant findings concerning the amygdala in the human brain.

The human amygdala: an evolved system for relevance detection. Sander D, Grafman J, Zalla T.

Abstract. The human amygdala plays a key role in recognizing facial emotions and neurons in the monkey and human amygdala respond to the

Jul 19, 2015 Location of the amygdala in the human brain (region of the brain). Etymology . Because of its shape, from Latin amygdala

Abstract. We have previously reported that bilateral amygdala damage in humans compromises the recognition of fear in facial expressions while

Researchers at the University of Iowa say the human brain has a new, second gatekeeper that registers fear. The region, perhaps the brainstem, diencephalon or insular

Abstract. Findings from humans and animals suggest that the amygdala helps to guide behaviors and to process knowledge about stimuli and situations

The Human Amygdala (edited by Paul J. Whalen and Elizabeth A. Phelps) presents up-to-date information about the structure and function of the

Building on pioneering animal studies, and making use of new, noninvasive techniques for studying the human brain, research on the human amygdala has blossomed in

Specifically, he studies the response of the human amygdala to facial expressions of emotion to assess normal amygdala-prefrontal function,

I was wrong to say today was a slow day in anthropology related news, because I just found a brand new hot off the press human brain evolution paper published in the

Social contact often initially depends on ascertaining the direction of the other person's gaze. We determined the brain areas involved in gaze monitoring by a

Emotion, olfaction, and the human amygdala: Amygdala activation during aversive olfactory stimulation

University of Iowa researchers have identified areas of the human brain in which breathing is controlled and, in some cases, impaired.

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Structure . The regions described as amygdala nuclei encompass several structures with distinct connectional and functional characteristics in humans and other

The amygdala's historical role in processing stimuli related to threat and fear is being modified to suggest a role that is broader and more abstract.

Another integrative part of the limbic system, the amygdala is involved in many cognitive processes. MacLean postulated that the human brain has evolved three

Summary. Although clinical observations suggest that humans with amygdala damage have abnormal fear reactions and a reduced experience of fear [1 3], these

"My dream would be an economic theory that could capture the complexities of human behavior, The amygdala damage did not appear to affect risk-aversion a

Figure 2: Some areas of the amygdala, as shown in the rat brain. The same nuclei are present in primates, including humans. Different staining methods show amygdala

Part 1. From Animal Models to Human Amygdala Function. Freese, Amaral, *Neuroanatomy of the Primate Amygdala*. LeDoux, Schiller, *Animal Research on Organization and*

A wealth of animal data implicates the amygdala in aspects of emotional processing. In recent years, functional neuroimaging and neuropsychological studies have

CURRENT DIRECTIONS IN PSYCHOLOGICAL SCIENCE 179 Table 1. Neuroimaging studies demonstrating activation of the amygdala in normal human subjects

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Building on pioneering animal studies, and making use of noninvasive techniques for studying the human brain, research on the human amygdala has blossomed over the years.

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