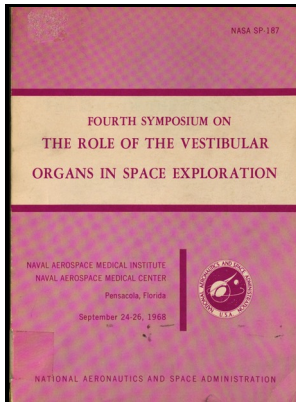


Frontal granular cortex and behavior - a symposium

- - Chapter 24 Social behaviour and the prefrontal cortex



Description: -

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Pennsylvania, State University.

Cerebral cortex, frontal granular cortex and behavior - a symposium

- frontal granular cortex and behavior - a symposium

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Differential behavioral effects in frontal lobe disease

The reduction of actions can be reversed, at least partially, under strong solicitation from the external environment, testifying to a contrast between a deep alteration of self-generated behaviors and a relative preservation of externally driven ones. Thus, the inhibitory LV i system serves as a slowly integrating inhibitory cancellation mechanism for the rapidly adapting excitatory LV e system. Altogether, these inputs from limbic structures and from all the sensory systems are very likely the anatomical background that provides the affective or emotional flow of information that is necessary for the orbital-medial PFC to influence the ongoing or forthcoming behavior ; ; ; .

One approach to understanding the function of the frontal pole

Several of the cognitive dysfunctions that are observed after lateral lesions may contribute to a significant reduction in GDB.

One approach to understanding the function of the frontal pole

Compute point neuron activation combining excitatory input and inhibition. Epilepsies and syndromes undetermined as to whether they are focal or generalized. These anatomical findings support a functionally coherent circuit: lesions of the dorsal portion of the caudate nucleus induce impairments in tasks that are also altered after dorsolateral PFC lesions, such as spatial delayed and delayed alternation tasks ; ; ; ; .

Apathy and the Functional Anatomy of the Prefrontal Cortex

The network settles in two phases, an expectation minus phase where the network's actual output is produced and an outcome plus phase where the target output is experienced, and then computes a simple difference of a pre- and postsynaptic activation product across these two phases.

Expectancy, Ambiguity, and Behavioral Flexibility: Separable and Complementary Roles of the Orbital Frontal Cortex and Amygdala in Processing Reward Expectancies

So-called witzelsucht has been described, in which patients show an inappropriate facetiousness and a tendency to pun. While many forms of dementia involve frontal lobe changes, it is now clear that several types of dementia more selectively affect frontal lobe function, particularly early in the disease.

Frontal Granular Cortex and Behavior.

Several studies have promoted the concept of a relative segregation of the frontal—basal ganglia loops organized in parallel pathways throughout the basal ganglia ; ; ; . Therefore, apathy occurs when the systems that generate and control voluntary actions are altered.

The Frontal Granular Cortex and Behavior.

These areas are heavily interconnected with the BLA, VS, mediodorsal thalamus, and sensory cortices.

Related Books

- [Wu Jang-chih yin ts'un](#)
- [In memoriam Hermann Heimpel - Gedenkfeier am 23. Juni 1989 in der Aula der Georg-August-Universität](#)
- [Iconographie du Musée du Val-de-Grâce - publiée sous la direction de O. Jacob](#)
- [Między słowem i rzeczywistością - problemy powieści politycznej w Polsce w latach 1945-1970](#)
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