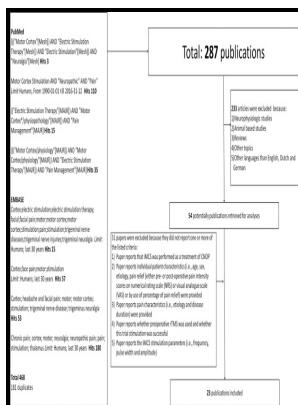


## Specific responses elicitable from sub-divisions of the motor cortex of the cerebrum of the cat.

- - Brainstem: Midbrain, Pons & Medulla Oblongata



### Description: -

- Specific responses elicitable from sub-divisions of the motor cortex of the cerebrum of the cat.
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Notes: From The Journal of Comparative Neurology, 63.

This edition was published in 1935



Filesize: 32.87 MB

Tags: #Brainstem #Midbrain, #Pons #& #Medulla #Oblongata

## Anatomy of the cerebellum

It is involved in many unconscious homeostatic and reflexive pathways. In one population, the profile of cell discharge was similar in both the left- and right-lead condition and cell discharge ended almost at the same time, with a difference of less than 1 step relative to the onset of the step over the obstacle in the lead limb. Downward-oriented arrows in D emphasize peaks of activity in left-lead red arrows and right-lead green arrows conditions.

### **A representation of the visual field in the caudal third of the middle temporal gyrus of the owl monkey (*Aotus trivirgatus*)**

F and G Condition-selectivity for the step-related PPC cells, displayed as in Figure C, D. Peduncle Description While there are some afferent fibers from the that are conveyed to the anterior cerebellar lobe via this peduncle, most of the fibers are efferents.

## The motor system in neuroscience: a history and analysis of conceptual developments

They are tightly connected with the limbic system and frontal cortices responsible for emotions. Only 4 cells were found to have a somatic RF. Responses in the claustrum to photic stimuli can be abolished by lesioning the lateral geniculate nucleus LGN.

## RESEARCH ARTICLES ON THE BRAIN AND MEMORY RELATED TO LANGUAGE

Mapping the functional connectivity of anterior cingulate cortex. A shows the same general distribution of cell patterns as we found for the PMC Fig.

## Anatomy of the Brain: Structures and Their Function

Similarly, dynamic uncoupling of bilateral primary motor regions via local inhibitory connections may allow performance of more complex unilateral tasks ; ; . A recording chamber internal dimensions,  $10 \times 15$  mm was placed over the cranial aperture tilted rostrally at a  $25^\circ$  angle with respect to the stereotaxic horizontal plane and fixed in place with dental acrylic. Moreover, the labeling extended rostrally into area 5b, an area more likely to

be implicated in somatomotor control than in oculomotor control ;

## Frontiers

Such a medio-lateral gradient would agree with the anatomical findings of Olson who suggested the existence of a gradient in which the more medial regions of Giffu are involved in visual processing and more lateral regions become progressively more somatomotor. A single representation of the visual hemi-field exists as a unified map without discontinuities or duplications in the claustrum.

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