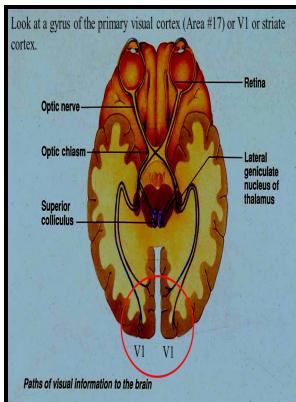


Re-evaluation of the functional cytoarchitecture of the primary visual cortex (area 17) of the cat

University of Birmingham - Cyto



Description: -

-re-evaluation of the functional cytoarchitecture of the primary visual cortex (area 17) of the cat

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Notes: Thesis (Ph.D.) - University of Birmingham, Dept of Physiology, 1984.

This edition was published in 1983



Filesize: 7.34 MB

Tags: #Whose #Cortical #Column #Would #that #Be?

Cyto

Simple cell receptive fields could be 'built' in the cortex by collecting responses from LGN cells whose receptive fields fall along a line across the retina, but the exact wiring is still the subject of debate. Slides were allowed to dry at room temperature, and were then dehydrated in 100 % EtOH, cleared in xylene, and cover slipped with Permount. Scale bar 200 µm. Synaptic zinc staining in area 18 is qualitatively similar to area 17 with subtle laminar differences.

Roles of N

Postnatal development of zinc-containing cells and neuropil in the visual cortex of the mouse.

Ocular Dominance Plasticity of Areas 17 and 21a in the Cat

La corteza cerebral del ratón primera contribución — la corteza acústica.

Primary Visual Cortex Within the Cortico

Orientation preference patterns in mammalian visual cortex: a wire length minimization approach. A,C Each row shows orientation differential maps evoked by monocular stimuli. M: widest zone of purely magnocellular LGN inputs.

Roles of N

Areas 19, 21 and Ssy long dashed, short dashed, and solid lines, respectively show a subtle decrease to 0. An interesting question is then why the dimension of a 2DG column corresponds to approximately half a cycle variation in orientation selectivity. Thalamic Axon Fields: Do They Create a Scale for Functional and Anatomical Match in Column Size? They receive input from layer 4B of V1 and they project to V3 and MT.

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