

Binaural interaction in the inferior colliculus of the frog

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Neural activity in the torus semicircularis (colliculus) of the frog was studied. Tones of different frequency, intensity, and duration were used for stimulation of each ear or both ears simultaneously. Unit responses were classified as contralateral units, ipsilateral units, and bilateral units. This last category was subdivided into pure bilateral units, units with contralateral inhibition, and units with ipsilateral inhibition. Percentage of occurrence of these units are similar to these found in the cat and rabbit. This may imply that a general pattern of auditory functional projection is common to vertebrates. © 1972.