

4 videos are included for different experimental conditions, soundtracks were included to indicate experimental conditions of noise stimulations.

1. Freely moving animal in response to noise (see Fig. 1a)
2. Head-fixed animal in response to noise (see Fig. 1e)
3. Head-fixed animal in response to light activation of corticofugal terminals in IC cortex without sound (see Fig. 3c)
4. Head-fixed animal in response to noise in one trial and noise+ light inactivation of corticofugal terminals in IC cortex in a subsequent trial (see Fig. 3h)

## Freely moving animal in response to noise



Filename: 1.free moving.wmv

# Head-fixed animal in response to noise



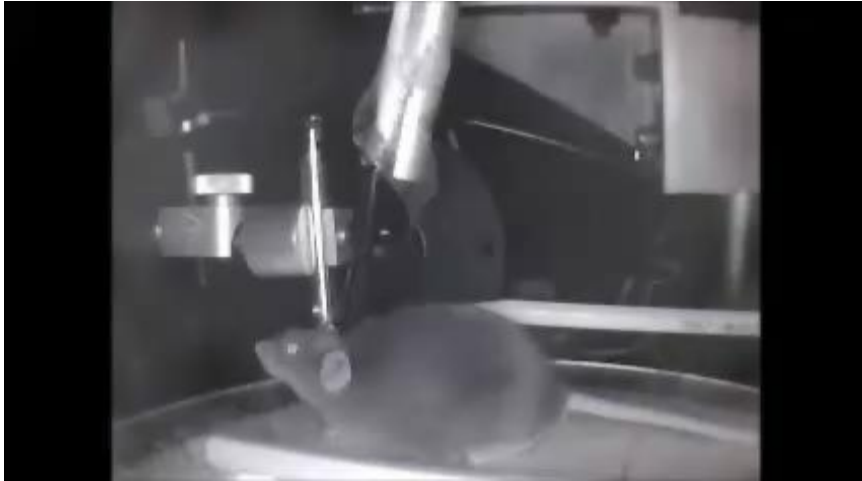
Filename: 2. head-fixed noise only.wmv

Head-fixed animal in response to light activation of corticofugal terminals in IC cortex without sound



Filename: 3.ic chr2.wmv

Head-fixed animal in response to noise in one trial  
and noise+ light inactivation of corticofugal  
terminals in IC cortex in a subsequent trial



Filename: 4.ic archt -noise.wmv