otaxic Surgery aration		Brainste
 The mouse was anesethetized by 7 A.M. when corticosterone levels are the lowest in nocturnal animals such as mice. The mouse was placed in the stereotaxic device and burr holes drilled for recording and stimulating electrode placement. The surgery proceedes 0 456 is identical for the experimental (stimulation) and control group with the exception of the stimulation itself. It is exclusive to the experimental group. 	3024 re W* n BT	- Q q 05 2

em Stimulation

- The placement of the recording and stimulating electrodes was designed to target the locus coeruleus and was determined through a stereotaxic mouse atlas.
- Brainstem stimulation data was gathered by connecting the reference electrode to a digital
- 22771003456919100 amplifier (10 V) which sent a signal to the stimulating electrode to depolarize the neurons in the brain.
- A pattern of six .2 millisecond biphasic pulses in a 50 milliseconds interval was applied. This pattern repeated every 2 seconds at 10 volts for 20 minutes.

Trans-cardial perfusion and CSF and serum collection brain removal Incision made to expose The ventral surface of the the cisterna magna. mouse was exposed using A capillary pipette with an average tip diameter of 126 µm was used to extract cerebrospinal fluid from the cisterna magna. A slight vacuum was created with the syringe and 5-10 microliters were slowly collected. CSF was transferred into a tared microcentrifuge tube where a 1:100 ratio of acetic acid was added in accordance with 50% of the CSF volume to prevent any enzymatic degradation.