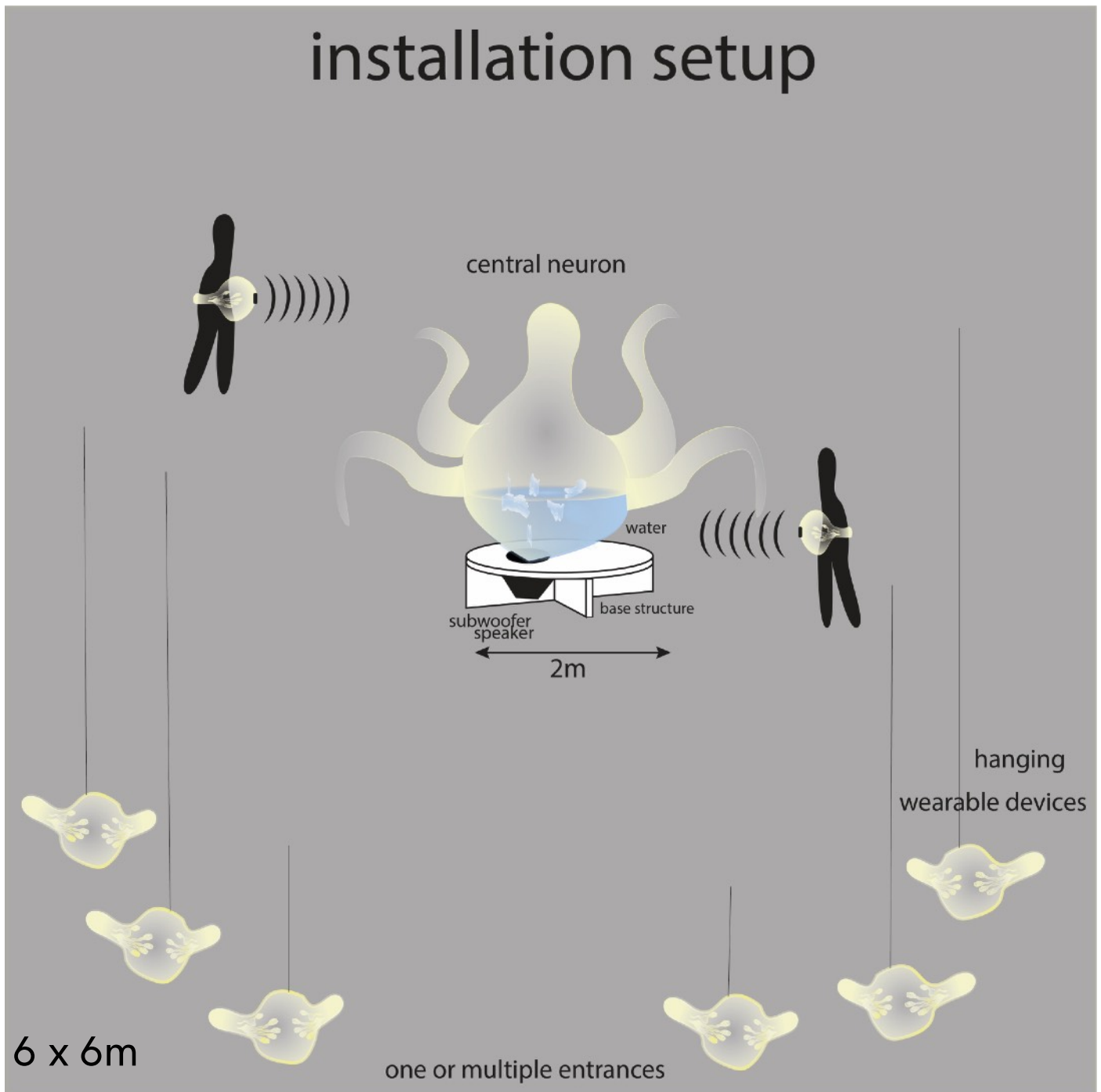


Somatic Circuit

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Somatic Circuit is an interactive installation in which participants join in a sensorial ritual using sound, electrical stimulation, and breath as the mode of communication and connection. Because the work is currently under production, this document will show the prototypes created thus far, and the plan for the final project and exhibition which is set to be completed by the end of May 2026.



The installation consists of a 'central neuron' sculpture and hanging wearable devices (6-8). Participants can take part by putting on the wearable device, and visitors are able to view the performing participants from a distance.

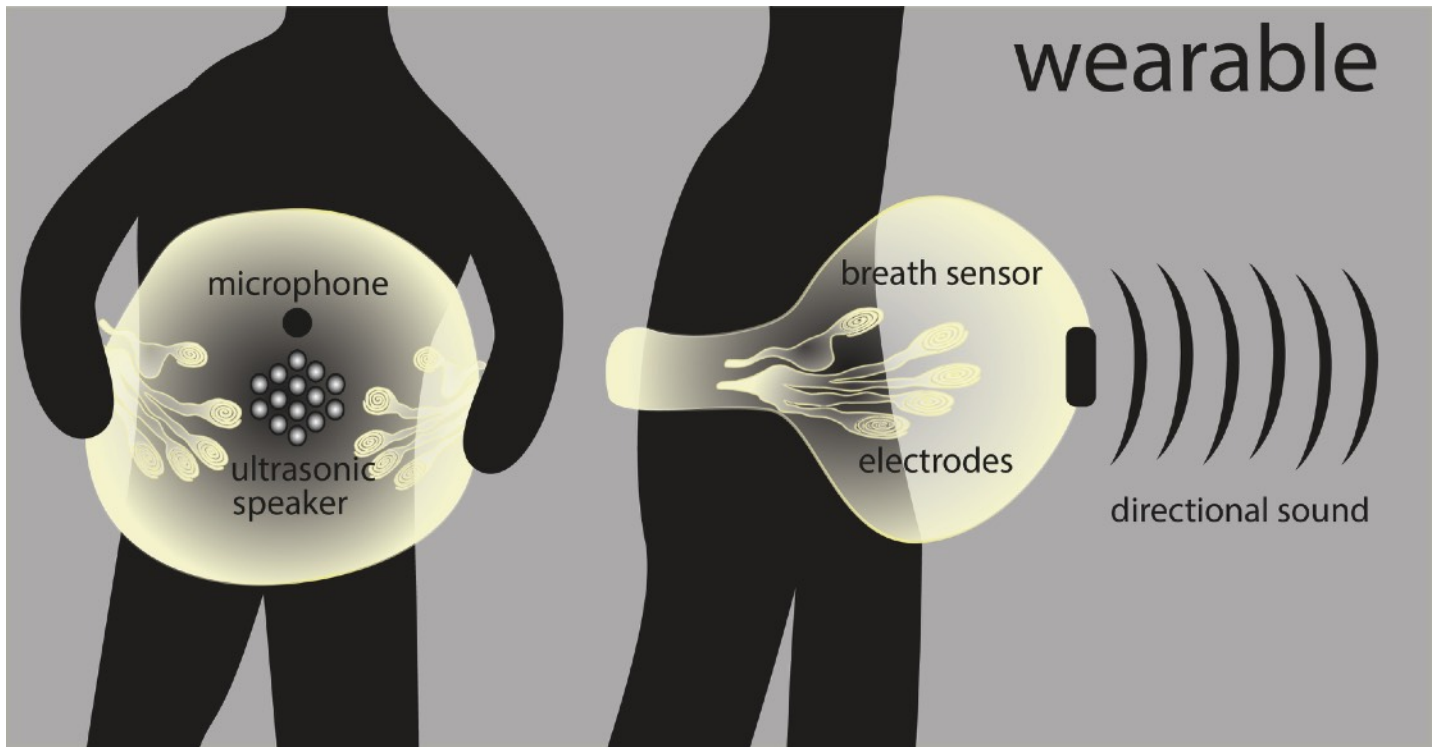
The central neuron sculpture uses sound (0-30Hz) to manipulate water inside the inflatable. The sound and rhythm produced by the sculpture acts as a guide for inhaling and exhaling that the participants can follow to synchronise their breaths and the sound they produce. The central figure is lit up, so that the water ripples and movements are reflected and visible for visitors.

Initial prototype



Although this version is smaller, has less water, and lacks complexity, the artist has had experience with creating large, complex inflatable sculptures in the past, seen below.





The breath of the participant (inhalation and exhalation) controls the volume output of the ultrasonic directional speaker. This speaker acts like a laser, creating a sound beam which reflects on the object it hits. This allows participants to 'beam' their breath through the space. The wearables each have a microphone, which translates incoming sound into electrical stimulation felt on the hand electrodes. When a participant beams their breath to another participant, this will be felt strongly in the intensity and frequency of the stimulation.

Working prototype

