



Figure 1. Schematic of the experimental design. *A*, Behavioral protocol. The rat was trained to swim in a circular arena with a central platform. The rat was trained to swim in the arena for 10 trials. *B*, Electrophysiological protocol. The rat was trained to swim in the arena with an electrode array on its brain. The rat was trained to swim in the arena for 10 trials. *C*, Histological protocol. The rat was trained to swim in the arena with an electrode array on its brain. The rat was trained to swim in the arena for 10 trials. *D*, Behavioral protocol. The rat was trained to swim in the arena with an electrode array on its brain. The rat was trained to swim in the arena for 10 trials. *E*, Electrophysiological protocol. The rat was trained to swim in the arena with an electrode array on its brain. The rat was trained to swim in the arena for 10 trials. *F*, Histological protocol. The rat was trained to swim in the arena with an electrode array on its brain. The rat was trained to swim in the arena for 10 trials.

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