

## Planarian operant conditioning memory formation

Koisikawa Secondary Education School

## Background

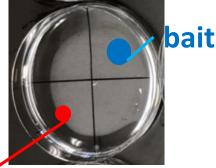
- · Regeneration, Brain, Memory, Negative Phototaxis, Smell, Research on memory is active
- ⇒ Classical conditioning is used
- **⇒**Operant conditioning is better



## Method

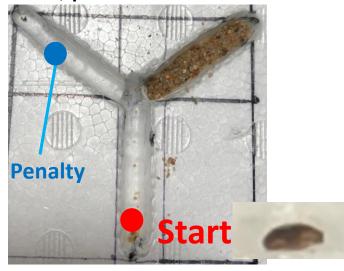
1. Familiarize with the environment and make it easier to



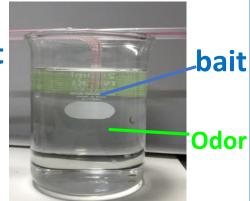


Start

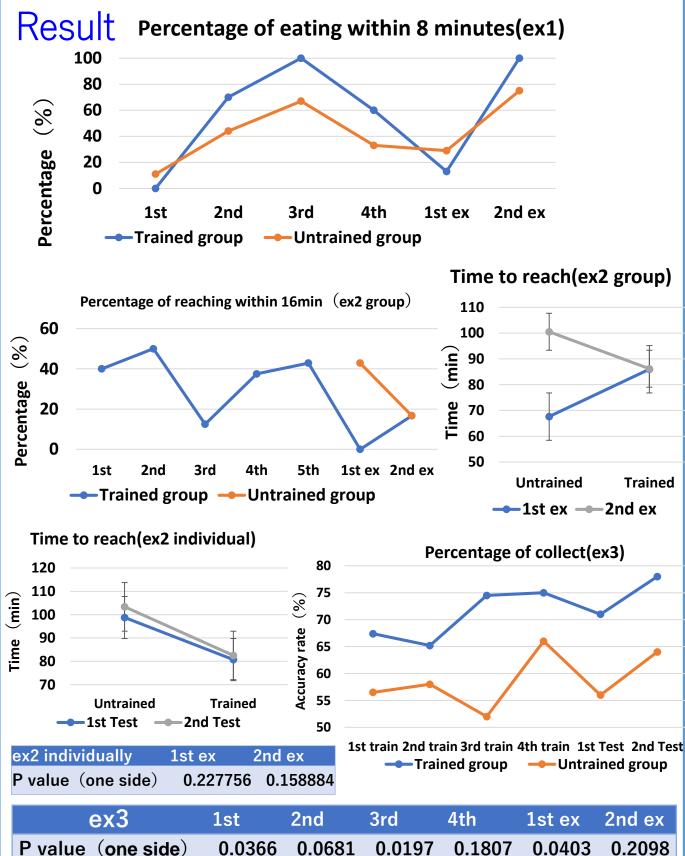
3. If they make a mistake in the maze, pass an electric current



2. They get around to the bait faster (Individually and NOT)







0.0366

0.0681

0.0197

0.1807

0.0403

0.2098