

Memory Manipulation



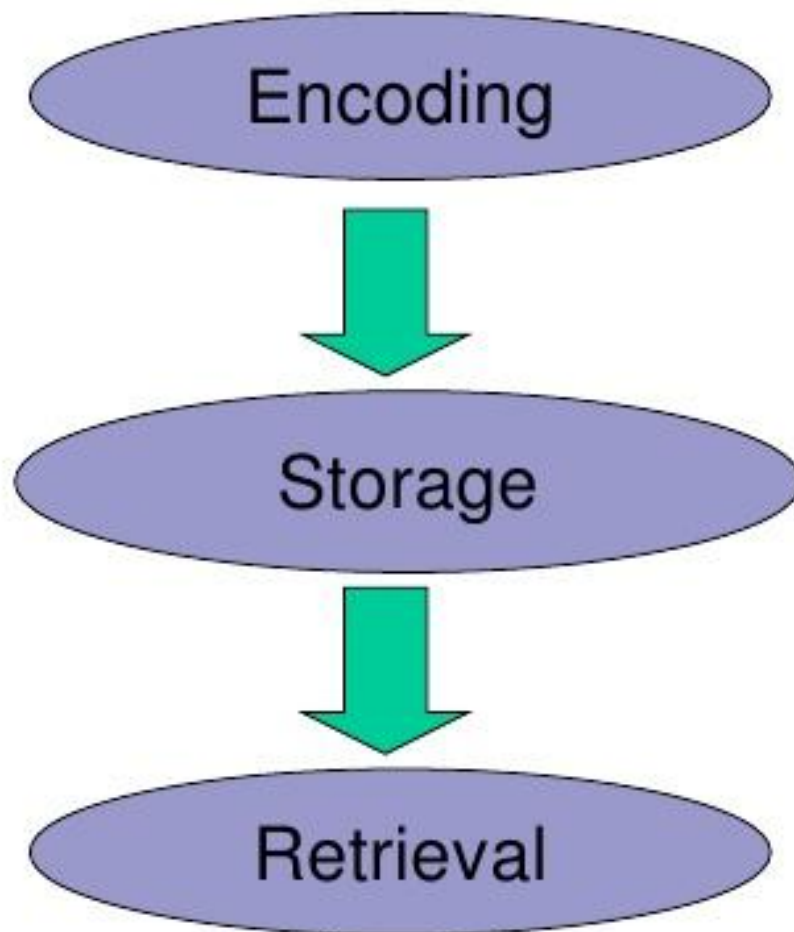


**HOW
MEMORY
WORKS ?**



Engram

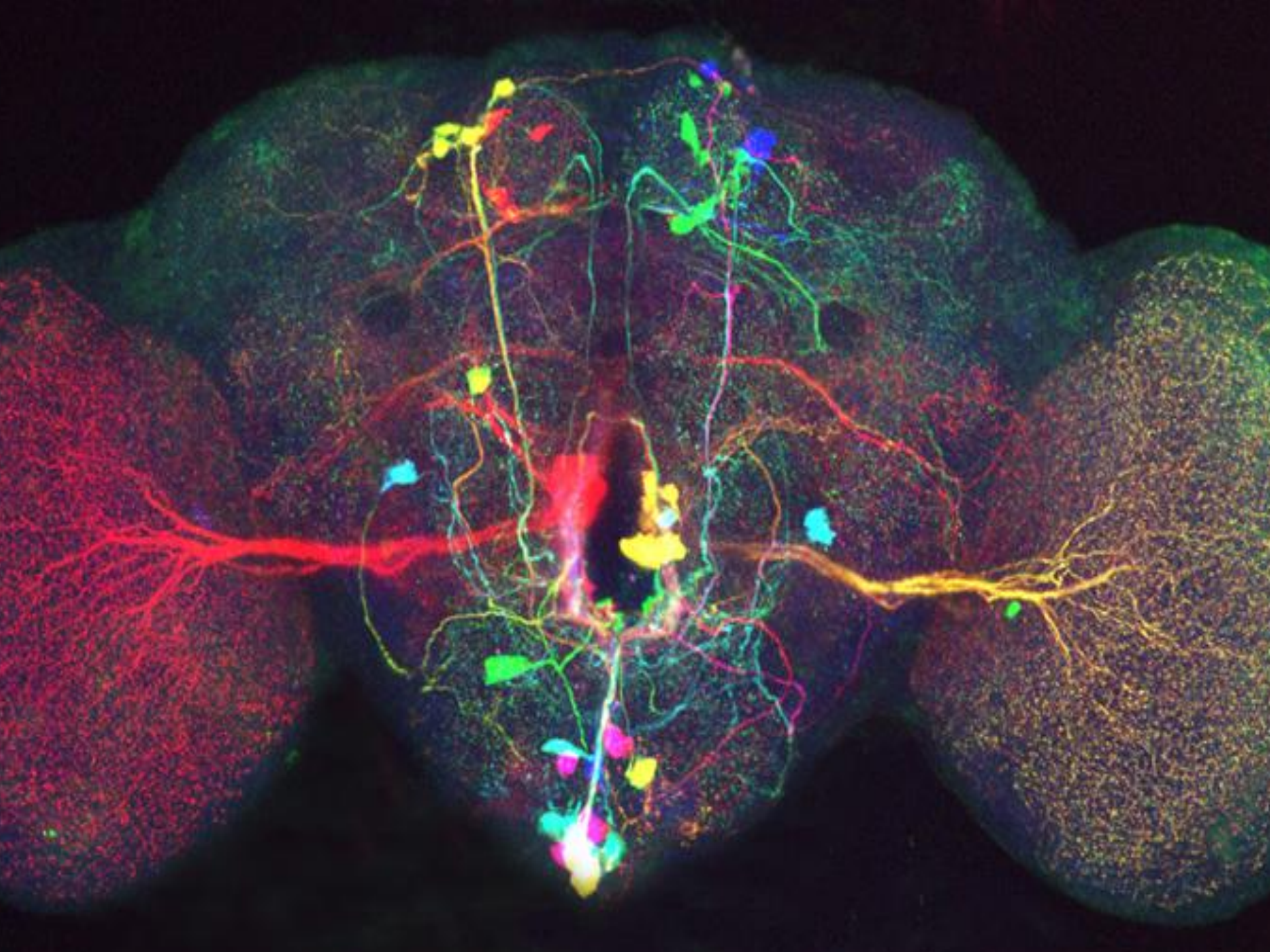
The Stages of Memory



HOW DOES YOUR MEMORY WORK?

Memories









Eternal Sunshine **of the spotless mind**



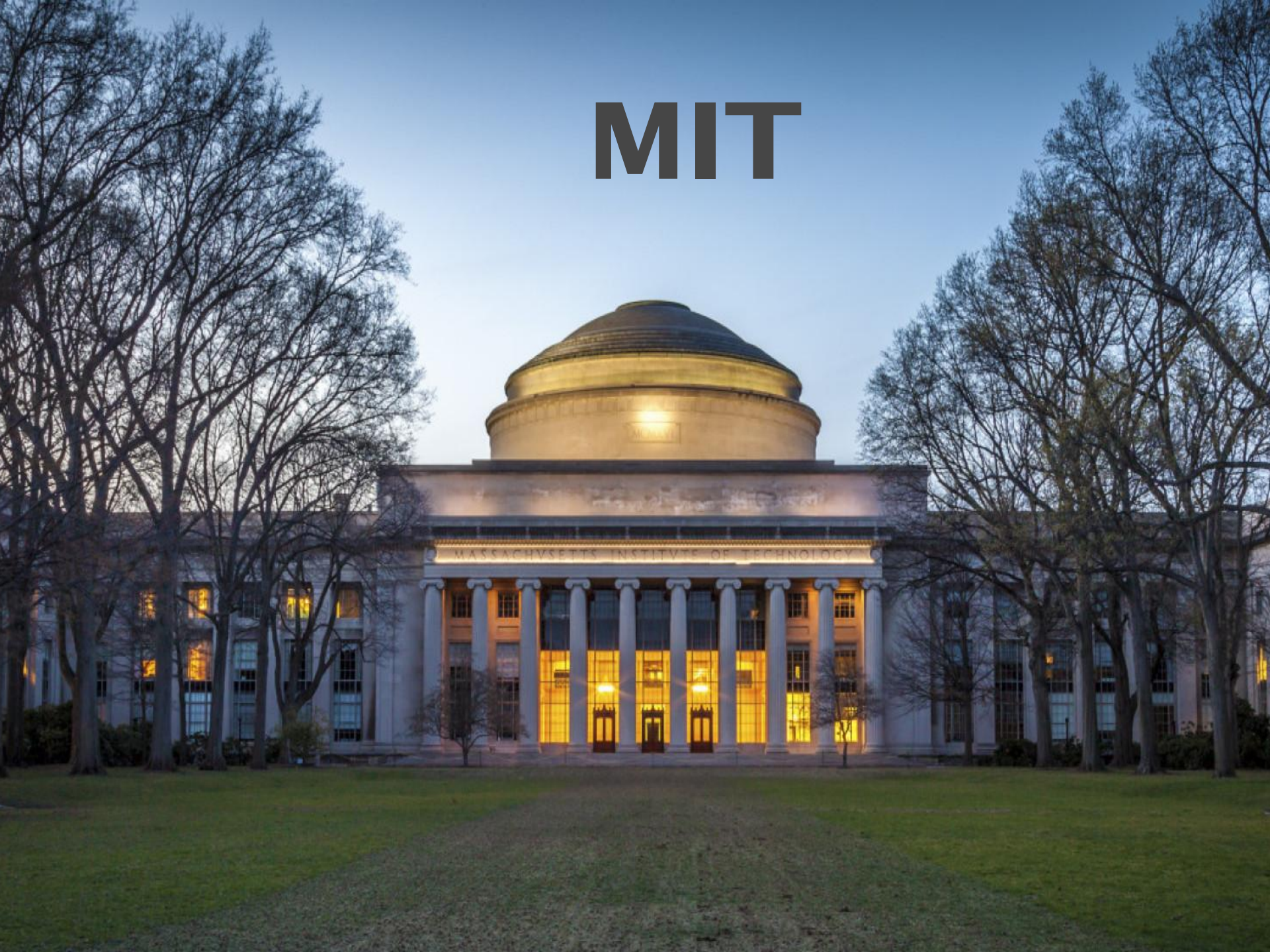






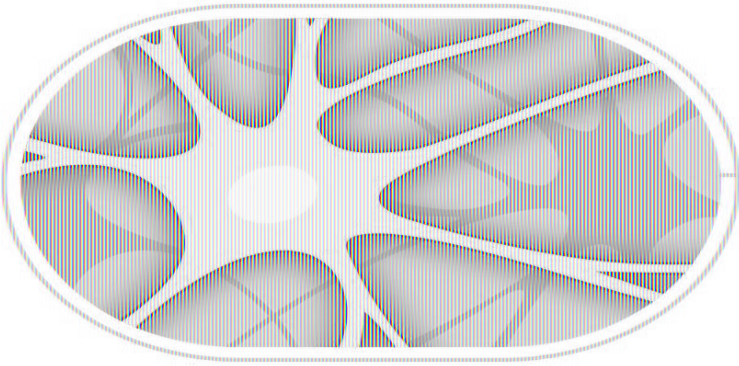
Propranolol

MIT

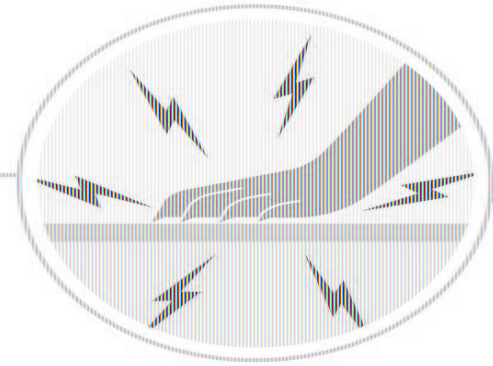




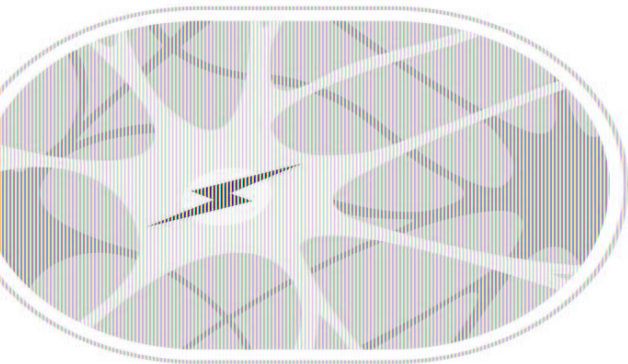
Activating a Memory



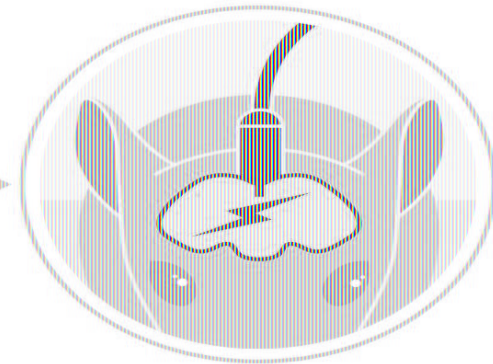
1. A mouse's brain cells are genetically engineered so that those associated with a memory become light sensitive.



2. The mouse explores a box and receives a foot shock.



3. It encodes a fear memory of the box in firing brain cells.



4. When a laser stimulates those cells, the mouse freezes in fear as it recalls the memory.

!!Retrieving Memory





TEST



D'oh!



