# Distinct Dopamine Receptor Pathways Underlie the Temporal Sensitivity of Associative Learning

Annie Handler

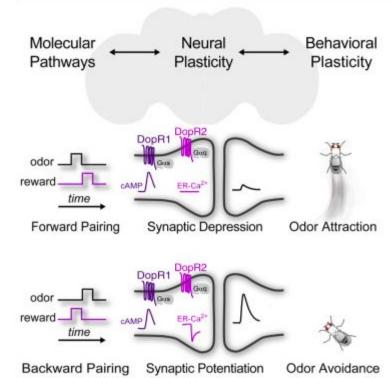
### Introduction



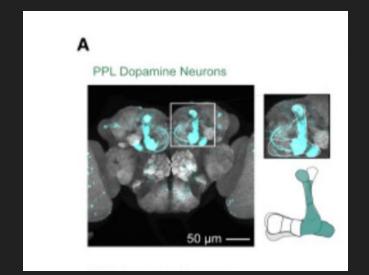
#### The Mushroom Body!

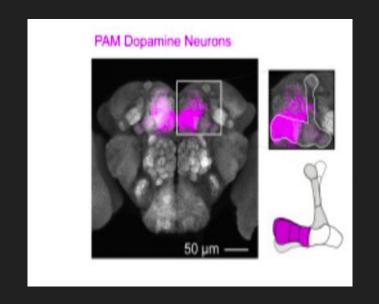


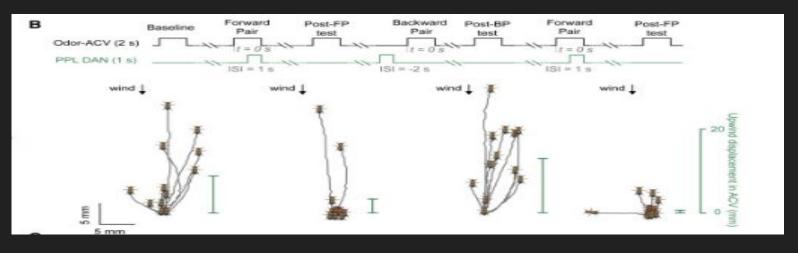
#### **Graphical Abstract**

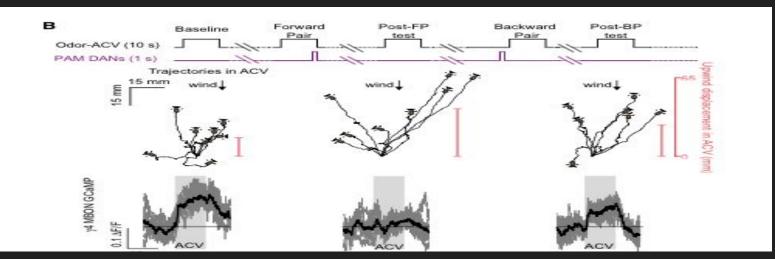


## Anatomy

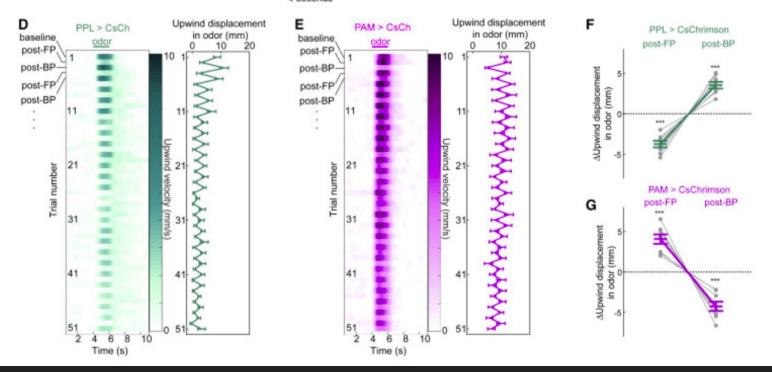


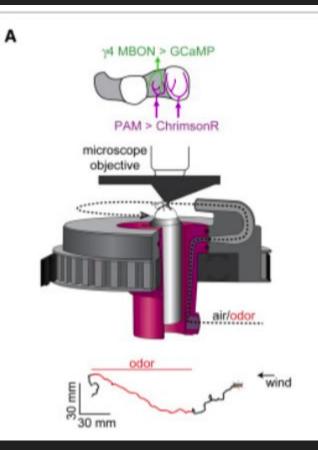


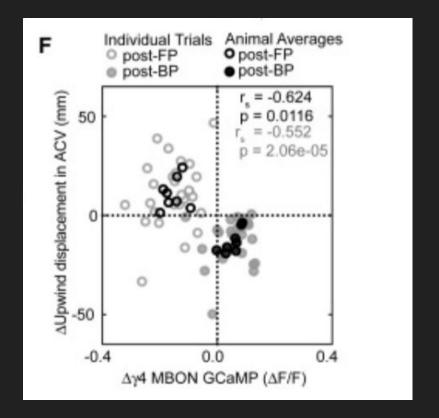




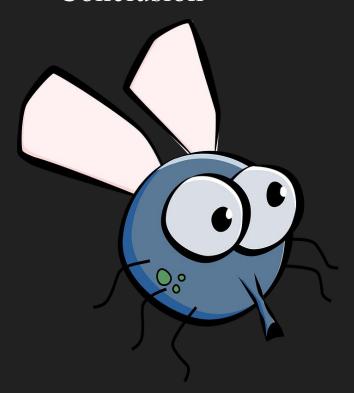








#### Conclusion



- Animals learn the hard way which sights, sounds, and smells are relevant to survival.
- Memories are not set in stone, they're set in synapses