

enabled us to measure the connectivity of every neuron in the drosophila (fruit fly) brain. In this study, we demonstrate that by integrating it with existing experimental functional data, we can Columnar (LC)11 neurons involved in small object detection.



**Functional Data on LC11** 

- Predates Full Connectome
- Structure-Function predictions

# Objectives

- Does the upstream neurons of LC11 explain its activation and tuning?
- Does the downstream neurons of LC11 explain behavioral activity linked to it?

# Why LC11?

- Links reported between LC11 activity and behavior are not clear
- object detection circuitry is not understood

visualized using Codex, a tool for the FlyWire Connectome project.