

Molecular Mechanisms of Memory

Professor Tom Carew

2015 CLASS SCHEDULE

- Sept 14** (1) Course goals and structure; (2) Learning and Memory: an Overview
(3) Introduction to the molecular vocabulary of learning and memory
- Sept 21** **Model System I:** Synaptic and molecular analysis of memory in *Aplysia*
- Sept 28** **Model System II:** Behavioral genetic analysis of memory in *Drosophila*
- Oct 5** **Model System III:** Long-term synaptic plasticity in the hippocampus

CYCLE 1: APLYSIA

- Oct 12** **Fall Break**
- Oct 13** **APLYSIA I:** Student-led discussions of original papers
- Oct 19** No class (SfN meeting)
- Oct 26** **APLYSIA II:** Breakout sessions - team brainstorming for Project Proposals
- Nov 2** **APLYSIA III:** Team presentations of Project Proposals

CYCLE 2: DROSOPHILA

- Nov 9** **DROSOPHILA I:** Student-led discussions of original papers
- Nov 16** **DROSOPHILA II:** Breakout sessions - team brainstorming for Project Proposals
- Nov 23** **DROSOPHILA III:** Team presentations of Project Proposals

CYCLE 3: HIPPOCAMPUS

- Nov 30** **HIPPOCAMPUS I:** Student-led discussions of original papers
- Dec 7** **HIPPOCAMPUS II:** Breakout sessions - team brainstorming for Project Proposals
- Dec 14** **HIPPOCAMPUS III:** Team presentations of Project Proposals