

# Colloquium Notice

**Damon Clark**

**Yale University**

## *Neural circuits to detect odor motion*

---

Recent studies showed that fruit flies can detect and respond to the direction of motion of odor filaments as they cross their two antennae, independent of wind direction. In this talk, I will describe our investigation into where and how that motion computation occurs in the fly olfactory system. The circuit we have identified is the first described olfactory motion detector in any animal. It shares key features with visual motion detection circuitry in flies and mammals, suggesting that motion detection across species and sensory modalities may share a limited set of neural implementations.



---

Monday

**April 27, 2026**

Starts at 12:15 PM

Coffee at 12:00 PM

Physics Conference Room, SB B326

