



# RIVERSIDE

DEPARTMENT OF ENTOMOLOGY  
ENTM250 Seminar Series



## Speaker:

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**Date:** Monday, November 17, 2025  
**Time:** 4:00 pm - 4:50 pm  
**Format:** Virtual Access Only  
**Location:** Zoom Only

**Zoom:** 943 6687 2379  
**Passcode:** 453393

## Title:

“RNA interference to Pest management: Research on RNAi mechanisms in insects and the prospects of RNAi technology”

## Abstract:

Just five years ago, few would have believed that double-stranded RNA (dsRNA)-based pest control would become commercially viable. However, two products for controlling the Colorado potato beetle and Varroa mite are already on the market, with more on the way. In this talk, I will discuss the potential of RNAi for pest control and other applications. Beyond these applications, a significant portion of our efforts is dedicated to unraveling the fundamental mechanisms of RNAi in insects. We believe that by shedding light on the yet undiscovered aspects of insect RNAi, we can develop even safer and more effective dsRNA biopesticides. In addition to RNAi research, our lab is also conducting research on viruses in various industrial insects, including honeybees.