



# CAES

The Connecticut Agricultural Experiment Station

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## CAES SEMINAR SERIES

# **“The Impact of Blood Feeding Behavior on Mosquito Midgut Integrity and Arbovirus Dissemination”**

**Dr. Rebecca Johnson**  
**Postdoctoral Research Scientist**  
**Dept. of Environmental Sciences, CAES**

**Wednesday, November 3, 2021**

12:00 noon to 1:00 p.m.

Food and coffee will be available at 11:45 a.m.

**Jones Auditorium**  
**The Connecticut Agricultural Experiment Station**  
**123 Huntington Street, New Haven, CT**

Mosquitoes are key vectors for many important human and animal pathogens. Laboratory studies of virus transmission by mosquitoes often fail to consider crucial aspects of mosquito feeding behavior in the wild. In the lab, mosquitoes are typically only fed once and fed to repletion whereas in the field, multiple blood feedings and partial blood meals are common. I will discuss this feeding behavior and the impact these partial and multiple blood meals have on mosquito physiology and the transmission of viruses as well as how this may impact transmission in field settings.