



# EGH SPRING 2020 SEMINAR SERIES



## MELISSA DULCEY

*PhD in Public Health, One  
Health student*

### THE IMPACT OF BLOOD MEAL FROM DIFFERENT VERTEBRATE HOSTS ON THE *Aedes Aegypti* MICROBIOME

Melissa will discuss her preliminary research assessing the effect of blood meals from different vertebrate species on the microbiome composition of the *Aedes Aegypti* mosquito, and how this in turn could influence arboviral transmission.

**TUES APRIL 14**

**11:00 AM**

**EPI 150**



## CAROLINE STEPHENSON

*PhD in Public Health, One  
Health student*

### INVESTIGATION OF *Aedes Aegypti* VECTOR COMPETENCE FOR DENGUE VIRUS IN FLORIDA AND ASSESSMENT OF RISK FACTORS THAT IMPACT AUTOCHTHONOUS TRANSMISSION

Caroline Stephenson is a third year PhD Candidate researching the potential risk for local (autochthonous) dengue virus transmission in Florida (FL). She will give an overview of her proposal and present preliminary data relating to her dissertation work. Her overall aim is to (1) discern the biological ability of different populations of *Aedes aegypti* across FL to transmit the four serotypes of dengue virus and (2) evaluate county-level risk factors for autochthonous dengue transmission to develop a predictive model for the state.

