

SUTER SCIENCE SEMINARS 2022-23

Emerging Vector-borne Disease in the Commonwealth

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**Wednesday, September 14, 2022
4 p.m. • Science Center, room 106**

Zoonotic pathogens spread by arthropod vectors such as mosquitoes and ticks can cause a range of emerging infectious diseases impacting the health of both humans and animals. Dr. Eastwood will discuss aspects of several vector-borne diseases that exist in the Commonwealth of Virginia, and the One Health research taking place at Virginia Tech to better understand both vector ecology, and the transmission cycles of vector-borne pathogens.

Dr. Gillian Eastwood is a Disease Ecologist with a global background in mosquito-borne viruses, tropical forest ecology and wildlife crime analysis. She has a Masters in Environmental Biology from the University of St. Andrews in Scotland, and a PhD in Conservation and Disease Ecology from Zoological Society London (UK) focused on West Nile virus. Gillian currently focuses on vector-borne disease pathogens as a faculty at Virginia Tech conducting field- and lab-based research. She is an advocate for One Health approaches (where the health of humans, animals and the environment is recognized as intertwined), and balances her research with yoga and dance. Her academic website can be found at https://www.ento.vt.edu/people/Faculty0/Gillian_Eastwood.html



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