

TIME IS TICKING

The many scientists solving
the puzzle of the tick



Can you find
3 ticks on
this poster?

Learn more



Across labs and
field sites,
scientists are
connecting
climate,
ecosystems,
pathogens, and
public health.

Understanding ticks takes many disciplines. Ecologists track vegetation, wildlife, and habitat change; climatologists map temperature, humidity, and shifting seasons; epidemiologists link tick activity to human and animal cases; and microbiologists and geneticists study how pathogens survive inside ticks and hosts. Field biologists collect ticks and measure their behavior, while modellers use these data to predict how populations shift with warming climates or changing landscapes. By comparing hosts, blood chemistry, and local environments, researchers explain why ticks thrive in some places and disappear in others.