

Can climate change drive the emergence of infectious diseases

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In this talk, I will generally introduce the area of emerging infectious diseases and specifically discuss mechanism and traits determining animal, insects and human interactions and state-of-the-art data driven approaches and findings from empirical studies. I will further talk about indicator development spanning climate hazard, exposure, vulnerability domains, and studies of intended and unintended consequences of adaptation and mitigation to climate change. I will then talk about the state-of-the-art when it comes to predictions and projections of infectious pathogens and diseases with climate change, considering social and ecological dynamics and networks. Finally, I will introduce and discuss intervention studies and novel data streams for surveillance within this nexus.