
Key questions and knowledge gaps

What is the ecological role for non-systemically infected vertebrates in maintaining tick-borne pathogens?

What is the relevance of co-feeding (intraspecific-interstadial and interspecific) on co-infections in ticks?

How might strain diversity impact upon ecological survival?

Which co-infections facilitate or inhibit the spread of other pathogens?

What is the impact of co-infection on the vertebrate reservoir?

How might the sequence of co-infection alter modulate the consequences of vertebrate co-infection?

What is the impact of co-infection for humans such as development of associated pathology, severity and longevity of infection?

How reliably are detection methods currently being used to correctly detect infections or co-infections?

How should diagnostic approaches be modified to assess co-infection in humans?

What are the therapeutic implications for co-infection?

What are our options for pathogen control or reduction in the view of the new co-infection paradigm?
