



**04**  
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## SÉMINAIRE

# Host-Pathogen interactions during *Francisella tularensis* infection: of host innate immune responses and virulence factors.

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*Francisella tularensis* is a Gram-negative bacterium causing tularemia in humans. This zoonotic agent can infect a wide range of hosts including amoebae, arthropods and mammals. The ability of *Francisella* to cause disease is linked to its ability to replicate within host cells. Upon phagocytosis by macrophages, *Francisella* escapes from the phagosome to reach the host cytosol where it can replicate to very high numbers. I will present both the virulence factors controlling the intracellular life cycle and the host factors that detect *Francisella* in the host cytosol leading to the mounting of an efficient immune response.