

Special Issue

Pathogenesis and Immune Evasion of Mycobacteria in Mammals

Message from the Guest Editors

Mycobacteria encompass a diverse group of pathogens capable of infecting a wide range of mammalian hosts. Their success as pathogens lies in their remarkable ability to persist within host tissues, often establishing chronic or latent infections. Species such as *Mycobacterium tuberculosis* and *Mycobacterium bovis* have evolved sophisticated mechanisms to subvert host immune responses, enabling survival within macrophages, evasion of bactericidal pathways, and modulation of adaptive immunity. These strategies contribute not only to disease progression and transmission but also to major challenges in vaccine development and therapeutic interventions.

Understanding the molecular and cellular basis of mycobacterial pathogenesis and immune evasion is crucial to improving diagnostics, vaccines, and host-directed therapies. This Special Issue aims to bring together cutting-edge research on the pathogenic strategies of mycobacteria and their interactions with mammalian immune systems. We welcome contributions spanning molecular mechanisms, host-pathogen interactions, animal models, and translational research to advance our understanding and inform future control strategies.

Guest Editors

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