

Special Issue

Molecular and Immune Mechanisms in Pathogenic Mycobacteria Infections

Message from the Guest Editors

Pathogenic mycobacteria cause various diseases in a wide range of animals. Among these mycobacteria, the most relevant species belong to the *Mycobacterium tuberculosis* complex, which causes tuberculosis in mammals, including humans. The bacteria within this complex employ different mechanisms to evade the immune response and establish an active infection or persist in their hosts in a latent state for many years. In recent years, there have been significant advances in our understanding of the molecular and immune mechanisms governing how mycobacteria interact with their hosts. However, numerous aspects of these interactions remain unresolved. This Special Issue focused on "Molecular and immune mechanisms in infections by pathogenic mycobacteria" will include original research on the following: (1) advances in the knowledge of virulence factors and their mechanisms of action; (2) strategies employed by pathogenic mycobacteria to survive and/or replicate within their hosts; (3) immune responses to mycobacterial infection; and (4) cellular mechanisms in response to mycobacterial infection.

Guest Editors

Dr. Fabiana Bigi

Instituto Nacional de Tecnología Agropecuaria Buenos Aires, Buenos Aires, Argentina

Dr. Federico Carlos Blanco

Instituto de Agrobiotecnología y Biología Molecular (IABIMO), INTA-CONICET, Instituto de Biotecnología, CICVyA, Instituto Nacional de Tecnología Agropecuaria (INTA), N. Repetto y de Los Reseros, Hurlingham 1686, Argentina

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Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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